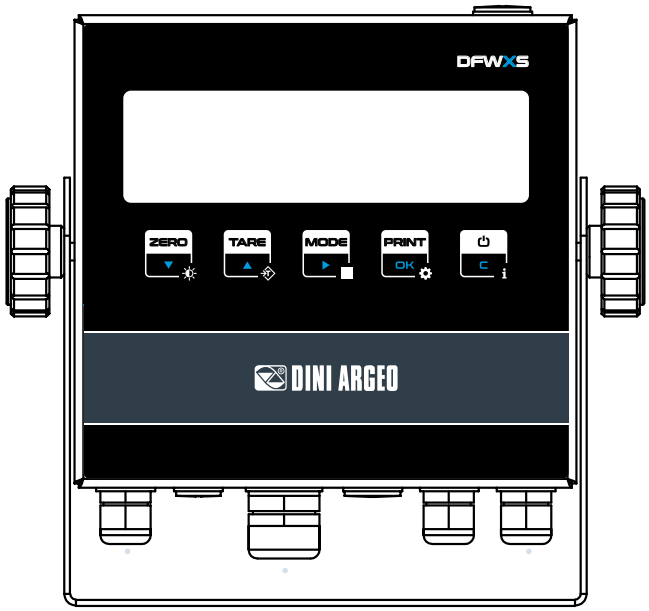
DINI ARGEO
Scales - Weighing systems

DFWXS SERIES

V 1.12

USER MANUAL ENGLISH



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INTRODUCTION 8

WARNING 8

CLEANING 9

INSTALLATION 10

INSTALLATION 11

POWER SUPPLY VIA MAINS 11

POWER SUPPLY VIA BATTERY 11

POWER ON 12

POWER OFF 12

SAVING BATTERY POWER 12

AUTOMATIC POWER OFF 12

DISPLAY AND KEYBOARD 13

DISPLAY 14

KEYPAD 16

FUNCTION MODES 18

REMOTE CONTROL 19

WEIGHING FUNCTIONS 23

ZERO 24

TARE 25

PRINTING 30

HIGH RESOLUTION 32

SETTING DATE AND TIME 33

ALIBI MEMORY 34

SETPOINT CONFIGURATION 36

CONFIGURE BACKLIGHT 37

AUTOMATIC POWER OFF 39

NET AND GROSS FUNCTION 40

INTRODUCTION 41

NET AND GROSS CONVERSION FUNCTION OPERATION 41

EXCHANGE BETWEEN NET WEIGHT AND GROSS WEIGHT 42

TOTALIZATION & FORMULATION MODES 43

INTRODUCTION 44

HOW TO ENABLE TOTALIZATION MODE 44

TOTALIZATION RULES 44

TOTALIZATION SETUP AND OPERATION 47

TOTALIZATION PROCESS 49

COUNTING MODE 50

INTRODUCTION 51

HOW TO ENABLE COUNTING MODE 51

HOW TO SAMPLE 51

HOW TO SET AVERAGE PIECE WEIGHT (APW) 52

SWITCH BETWEEN PCS AND WEIGHT 52

CHECK WEIGH MODE 53

OVERVIEW 54

HOW TO ENABLE CHECK MODE 54

CHECK MODE TYPES 54

ACCESS CHECK PARAMETERS 55

HOW TO SET A TARGET 56

GROSS, NET, NET NEGATIVE 56

HOW TO SAMPLE A NET NEGATIVE FROM THE SCALE 57

HOW TO SAMPLE A ZERO TARGET FROM THE SCALE 58

HOW TO SAMPLE PIECES (PCS) 59

MIN & MAX THRESHOLDS 60

ABOUT CHECK WEIGH MODE ANNUNCIATORS 61

CHECK WEIGH MODE CONFIGURED 61

HOW TO USE THE CHECK WEIGH MODE 62

ADDITIONAL SETTINGS 65

PERCENTAGE WEIGHING 70

Enable Percentage Weighing 71

Configure Percentage Sample 72

Convert Percentage to Weight 72

Percentage Metering 73

HOLD FUNCTION 75

HOLD 76

ENABLE HOLD FUNCTION 76

HOLD OPERATION 77

RESET HOLD 78

ANIMAL WEIGHING 79

INTRODUCTION 80

ENABLE ANIMAL WEIGHING 80

ANIMAL WEIGHING 81

ANIMAL WEIGHING COMBINED WITH HOLD FUNCTION 82

WEIGHT CONVERSION 83

INTRODUCTION 84

WEIGHT CONVERSION FUNCTION 84

PEAK FUNCTION 86

PEAK 87

ENABLE PEAK FUNCTION 87

METROLOGICAL INFORMATION 90

INTRODUCTION 91

SERIAL NUMBER 91

METROLOGICAL FIRMWARE 91

INFORMATION 91

IDENTIFICATION OF METROLOGICAL SOFTWARE 92

CONFIGURATION MENU 93

SEtt in - SETTINGS 96

ChECh - CHECK WEIGH MODE 96

tYPE- TYPE OF CHECK WEIGH MODE 96

C.ModE - CHECK MODE 97

ChK.MSG - CHECK MESSAGE 97

bEEP - CHECK WEIGH MODE BEEP 98

thrESh - CHECK WEIGH MODE THRESHOLD 98

C.undEr - COLOR UNDER 99

C.oK - COLOR OK 99

C.oUEr - COLOR OVER 99
oKunS - OK UNSTABLE 99
tH.toL - TRANSMISSION IN TOLERANCE 100
Prn.toL - PRINT TOLERANCE 100
totAL - TOTALIZATION 101
tot.tYP - TOTALIZATION TYPE 101
Min.WGt - MINIMUM WEIGHT 101
MAH.tot - MAXIMUM TOTALIZATION 101
tot.Mod - TOTALIZATION MODE 102
n.WE iGh - SHOW TOTALIZATION WEIGH NUMBER 102
Fr2.tot - FREEZE TOTAL 102
WAit.St - WAIT STABILITY 103
CPS.tAr - COMPULSORY TARE 103
Count - COUNTING MODE 104
uM.APW - UNIT OF MEASURE AVERAGE PIECE COUNT WEIGHT 104
WAit.t - WAIT TIME SAMPLING 104
PEAK - PEAK 105
nEWton - NEWTON UNIT OF MEASURE 105
dEc.2 - DECIMAL CONFIGURATION NEWTONS (ONLY IF NEWTON >> YES) 105
d iU.2 - DIVISION CONFIGURATION NEWTONS (ONLY IF NEWTON >> YES) 106
ConVEr - Conversion 107
dEc.2 - DECIMAL QUANTITY FOR CONVERSION 107
d iU.2 - DIVISIONS FOR CONVERSION 108
un it - UNITS OF MEASURE FOR CONVERSION 108
PErc - Percentage 109
WAit.t - WAIT TIME SAMPLING 109
En.SAVE - ENERGY SAVE 110
SCrEEn - ADJUSTING THE DISPLAY 110
CoLour - COLOUR 111
dSP.rF - DISPLAY REFRESH RATE 112
AutoFF - AUTOMATIC POWER OFF 112

tArE - TARE 119
AUt.tAr - AUTOMATIC TARE 119
CLoCK - DATE AND TIME 120
PrEC. 10 - HIGH RESOLUTION READING DIVISION 120
AL ib i - ALIBI MEMORY READING 121
t iK.rES - TICKET NUMBER RESET 122
SEtPnt - SETPOINT 122
d iAG - DIAGNOSTICS 123
FAQ 124
PRINT 125
ACCUMULATION 125
TARE 125
WEIGHING 126
PIECE COUNTER 126
ERROR MESSAGES 127

INTRODUCTION

The purpose of this manual is to familiarise the user with the different operating modes, key functions and display annunciators.

Carefully follow the instructions when configuring the instrument, as to do otherwise could jeopardize proper scale operation.
In addition to conventional scale features, the instrument offers extra user features such as converting the units of measurement converting net weight/gross weight, gross weight or net weight setpoint, approved weight transmission to PC with alibi memory, check weighing, sample weight percentage, weighing accumulator, piece counting. These features make it suitable both for industrial use as well as for legal use with third parties and in trade, meeting the most up to date needs for transmission and data printing via bidirectional serial ports.

This manual was written with the utmost care but we always welcome feedback on any inaccuracies you may find.

Manuals are available for download from www.diniargeo.com. For more information about the DFWXS, see the DFWXS technical manuals.

WARNING

For more warranty information see www.diniargeo.com. Any attempt to repair or modify the unit could expose the user to the risk of electrical shock and will render all warranty conditions null.
All problems with the unit or the system must be communicated to the manufacturer or the dealer where which it was purchased.
The instrument is insulated between the dangerous voltage area and the parts that are accessible to the user.

- Disconnect power before opening the instrument.
- Do not expose the instrument to direct sunlight or sources of heat.
- Set or secure the indicator and the platform on a base with no vibrations.
- All the indicator connections must be made respecting the applicable standards in the installation area and environment.
- **Do not install in environments with the risk of explosion.**

Whatever is not explicitly described in this manual is to be considered improper use of the equipment.

Product Disposal:



The crossed out wheelie bin symbol on the product shows that it must be brought to appropriate separate waste collection centres at the end of its life cycle or returned to the dealer when purchasing a new equivalent product. Proper separate collection to then send the product to recycling contributes to preventing possible negative effects on the environment and to health and promotes recycling. Users who dispose of the product illegally shall face administrative sanctions as provided for by law.

Battery Disposal:
Dispose of batteries at appropriate waste collection centers at the end of their life cycle in accordance with local laws and regulations. Batteries and rechargeable batteries may contain harmful substances that should not be disposed of in household waste. Batteries may contain harmful substances including but not limited to: cadmium (Cd), lithium (Li), mercury (Hg) or lead (Pb). Users who dispose of batteries illegally shall face administrative sanctions as provided by law.
WARNING: Risk of fire and explosion. Do not burn, crush, disassemble or short-circuit batteries.

Important: All included batteries included intended for sale in the EU market are classified as "Portable Batteries for General Use" and comply with European Battery Regulation (EU) 2023/1542.

CLEANING

Cleaning the instrument may need to occur depending on the installation environment.

NOTE: The DFWXS is IP68 and IP69K certified and compatible with most wash down environments.

To clean the instrument:

1. Power off the indicator and unplug the power cable.
2. Use soft cleaning cloth or brush to wipe away large debris.
3. Clean the indicator with mild detergent and a soft cloth.

WARNING:

- **Disconnect power cable from outlet and protect plug.**
- **Do not use solvents, alcohol-based or harsh chemical cleaners.**
- **Do not use abrasive brushes (for example, steel pads, wire brushes, scrapers)**
- **Tighten all cable glands.**
- **Ensure the plugs are in cable glands that are not used.**
- **Periodically check the integrity of all seals and grommets.**

INSTALLATION

INSTALLATION 11

POWER SUPPLY VIA MAINS 11

POWER SUPPLY VIA BATTERY 11

POWER ON 12

POWER OFF 12

SAVING BATTERY POWER 12

AUTOMATIC POWER OFF 12

INSTALLATION

See DFWXS Technical manual for wiring and installation information.

NOTE: Direct sunlight may damage the DFWXS display, ensure the instrument avoids direct sunlight.

POWER SUPPLY VIA MAINS

Every DFWXS indicator is equipped with a specific power cable. The safety standards must be respected when connecting the unit to the 110/240V mains, including the use of a “clean” line with no disturbances or interferences caused by other electronic equipment. If there is an internal rechargeable battery, it is charged automatically.

POWER SUPPLY VIA BATTERY

Batteries are included with select DFWXS models (see DFWXS Technical manual).

Internal battery charge level indicator


Charged battery


Low battery

The LoW.bAtt message precedes automatic instrument power off.

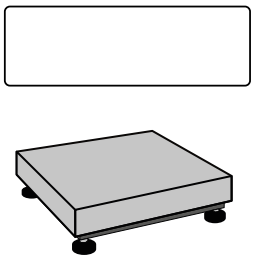
Battery charging indicator



NOTES:
Recharge the battery when the indicator displays 1 segement.
The battery recharges in approximately 6 hours.
The battery charging indicator only displays if the indicator is powered on.
If the indicator will not be used, recharge the battery once every three months.

POWER ON

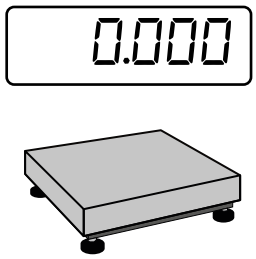
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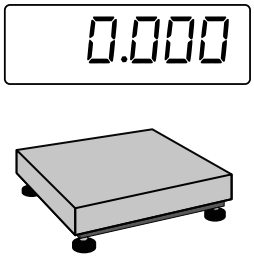


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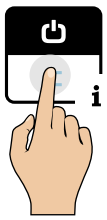


POWER OFF

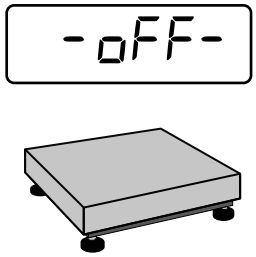
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2



3



NOTE: A DIP switch configuration will cause the DFWXS to automatically power on when it receives power. This configuration is typically used in customer applications that control the flow of power to the instrument with the mains circuit breaker. In such cases, power off the instrument from the circuit breaker or equivalent.

SAVING BATTERY POWER

The instrument is equipped with battery power saving functions designed to increase operating time (see En.SAVE on page 112).

AUTOMATIC POWER OFF

This function activates when the scale is completely unloaded and has not been used for a set amount of time *(default 5 minutes)*. For more information about the AutoFF configuration, (see En.SAVE on page 103).

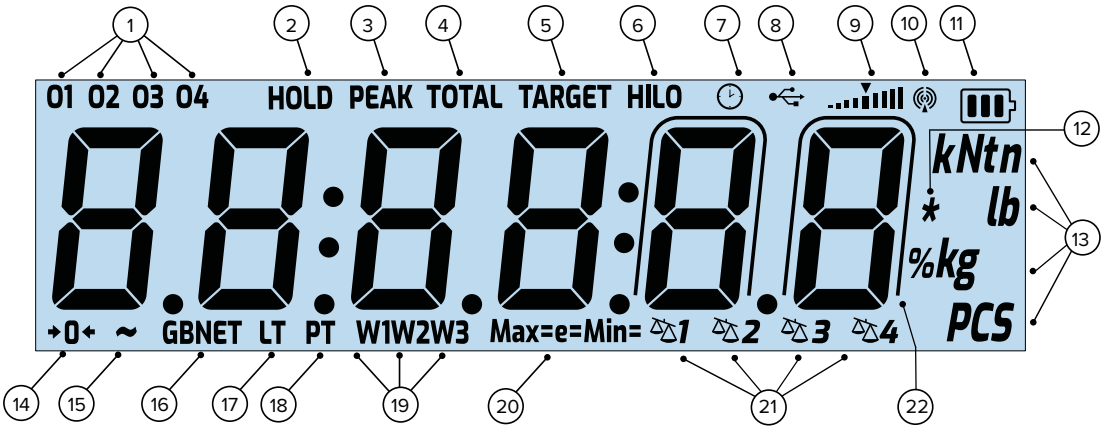
DISPLAY AND KEYBOARD

DISPLAY 14

KEYPAD 16

REMOTE CONTROL 18

DISPLAY



NUMBER	SYMBOL	DESCRIPTION
1	**01 02 03 04**	Displays the active digital output.
2	**HOLD**	Indicates that Hold mode is activated.
3	**PEAK**	Indicates that Peak mode is activated.
4	**TOTAL**	Indicates that Totalization mode is active and at least one weight is included.
5	**TARGET**	When Check Weigh mode is active, the target is configured and stored in memory.
6	**HILO**	**HI** = When the Check Weigh mode is active, the high threshold is configured. **LO** = When the Check Weigh mode is active, the low threshold is configured.
7		Active during the configuration of the date and time.
8		Active when a USB connection is active.
9		A dynamic display of target status when check weighing mode is active, where: = Measured objects are below target. = Measured objects are close to target and most likely in lower tolerance range (if configured). = Measured objects are at target. = Measured objects are close to target and most likely in upper tolerance range (if configured). = Measured objects passed target.
10		Displays whens Wi-Fi or WPAN is connected.
11		Displays the current battery level. =Battery is Full =Battery has 2/3 capacity = Battery has 1/3 capacity =Battery is low and needs to be charged
12	*	Displays when a key is pressed. In some operating modes, it indicates that a specific function is active.

NUMBER	SYMBOL	DESCRIPTION
13	**kN** **...** **PCS**	Represents a unit of measurement: **kN** = kn (kilonewtons) **N** = N (newton) **t** = T (tonnes) **lb** = lb (pounds) **%** = Percent (threshold) **g** = g (grams) **kg** = kg (kilograms) **PCS** = Pieces
14	→0←	The scale is unloaded and at zero (gross).
15	~	The weight is unstable.
16	**GBNET**	**GB** = The weight displayed is Gross/Brutto/Brut **NET**= The weight displayed is net. There is a saved tare.
17	**LT**	A locked tare is active. ***NOTE: Not visible when set to Unlocked.***
18	**PT**	A preset tare (manual tare) is active.
19	**W1 W2 W3**	Displays the active range of weighing.
20	**Max=** **Min=** **e=**	**Max=** Maximum Capacity **Min=** Maximum Capacity **e=** Divisions
21	⚖1 ··· ⚖4	Displays which scale is active.
22		The weight is displayed in high resolution.

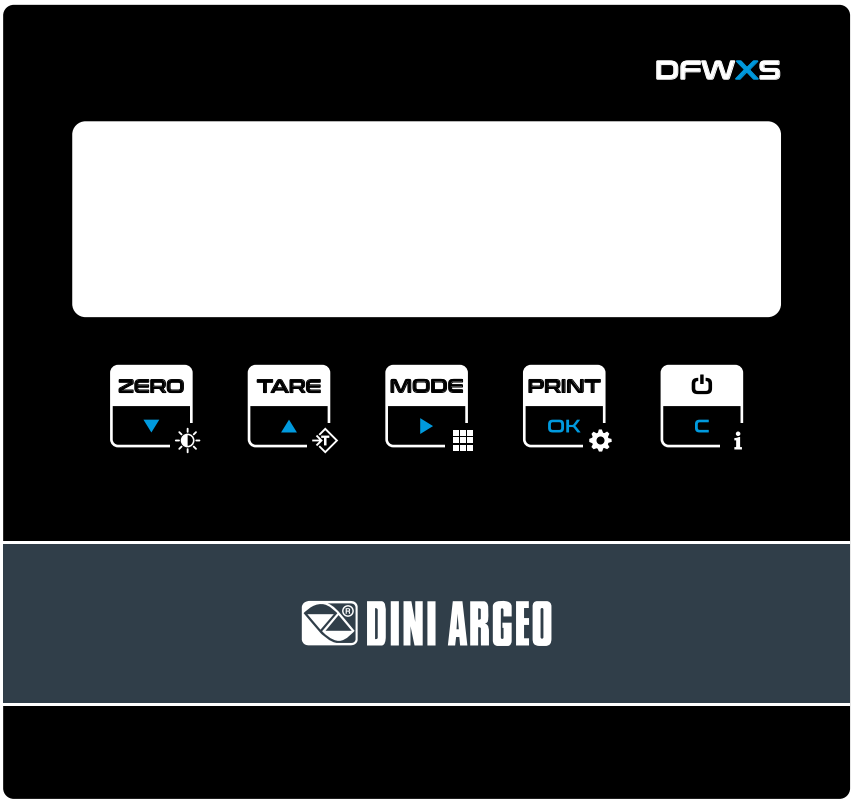
LETTERS:

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
A	b	C	d	E	F	G	h	ı	J	K	L	n	n	o	P	q	r	S	t	u	U	W	H	y	2

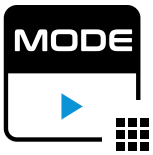
NUMBERS:

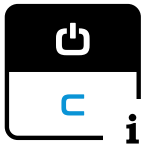
0	1	2	3	4	5	6	7	8	9
0	1	2	3	4	5	6	7	8	9

KEYPAD



Operation Keys

KEY	DESCRIPTION
	• Short Press: Zeros the weight on the scale within 2% of full scale capacity. • Long Press: Opens brightness configuration (see page **112**). • Parameter/Menu: Navigates down in menus, parameters or parameter values.
	• Short Press: Manually adds a tare to the scale from the currently weighed object. When a tare is active, the NET annunciator appears on the screen. • Long Press: Sets the preset tare (see page **25**). • Parameter/Menu: Navigates up in menus, parameters or parameter values.
	• Short Press: Performs function mode action. • Long Press: ■ Press for 2 seconds to set function mode parameter (varies depending on function mode). ■ Press for 4 seconds to enter Function mode menu (see page **40**). ■ Press for 10 seconds enable/disable Function mode menu (see page **40**). • Long Press: Opens Function . • Parameter/Menu: Navigates right in numeric fields.

KEY	DESCRIPTION
	• Short Press: Activates print function. • Long Press: ■ Press for 2 seconds for function mode configuration (varies depending on function mode). ■ Press for 4 seconds to open user indicator configuration (see page **95**). ■ Press for 10 to enable/disable the User menu (see page **95**). • Parameter/Menu: ■ Confirms the selected menu/parameter. ■ At save prompt, confirms saving.
	• Short Press: Clears tare or peak • Long Press: ■ Press for 2 seconds to power indicator off or on. ■ Press for 4 seconds to access indicator information (see page **93**) • Parameter/Menu: ■ Returns to previous menu without saving. ■ At save prompt, cancels without saving.

REMOTE CONTROL

The instrument can be equipped with a radio frequency remote control.
The remote control can be configured with single function (rF- 1) or multi-function keys (rF-6).

NOTE: See DFWXS Technical Manual for rEMotE parameter information.

Remote control modes

KEYS	SINGLE FUNCTION MODE (rF- 1)	MULTI-FUNCTION MODE (rF-6)	
		SHORT	LONG
ZERO	TARE	Zero	-
TARE		Tare	Manual tare (PT)
MODE		Operating mode	-
PRINT		Print	-
C		Cancel/Delete	Stand-by/Switch-on
FN		See FN Remote Shortcuts table below	10 seconds Enables/ Disables shortcuts

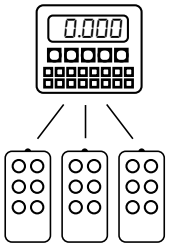
FN Remote Shortcuts

The following are shortcuts accessed using the FN button and other buttons on the remote.

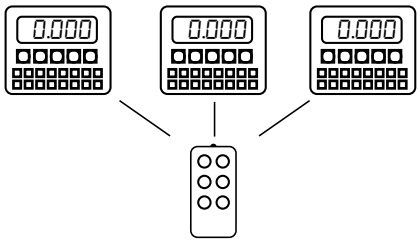
KEYS	FN Shortcuts (rF-6)
ZERO	FN + ZERO = Sets the indicator brightness (see page **112**)
TARE	FN + TARE = Sets the preset tare (see page **25**)
MODE	FN + MODE = Sets conversion (see page **84**)
PRINT	FN + PRINT = Opens indicator configuration (see page **95**)
C	FN + C = Opens indicator information (see page **93**)

Additional radio frequency remote control configurations

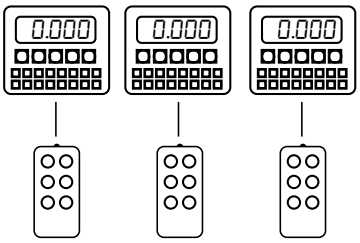
Multi-remote control
Useful when several operators are using the same scale (up to 3).



Broadcast
Useful when you need to command several scales with the same remote control.



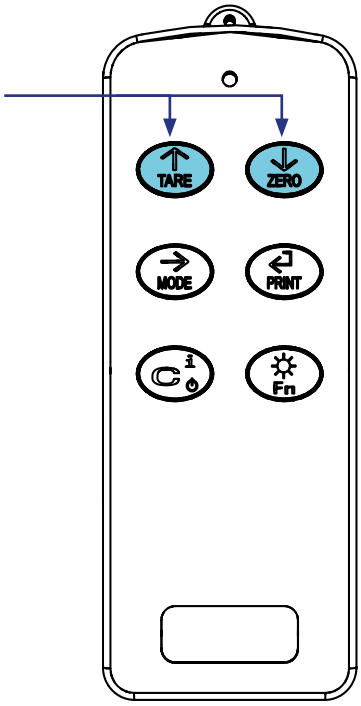
Ad hoc
Useful when there are several scales installed in the same area, each managed by its own remote control.



The remote control requires advanced configuration.

Remote Contol pairing

1. On the remote control, press TARE and ZERO keys simultaneously for 3 seconds to enter pairing mode.
2. The instrument displays Aut .rdP
3. Press the ENTER key on indicator and the remote control pairs.
4. Press the C key (on indicator), to remove the remote control.



Remote Control Battery Replacement



Battery Disposal:
Dispose of batteries at appropriate waste collection centers at the end of their life cycle in accordance with local laws and regulations. Batteries and rechargeable batteries may contain harmful substances that should not be disposed of in household waste. Batteries may contain harmful substances including but not limited to: cadmium (Cd), lithium (Li), mercury (Hg) or lead (Pb). Users who dispose of batteries illegally shall face administrative sanctions as provided by law.

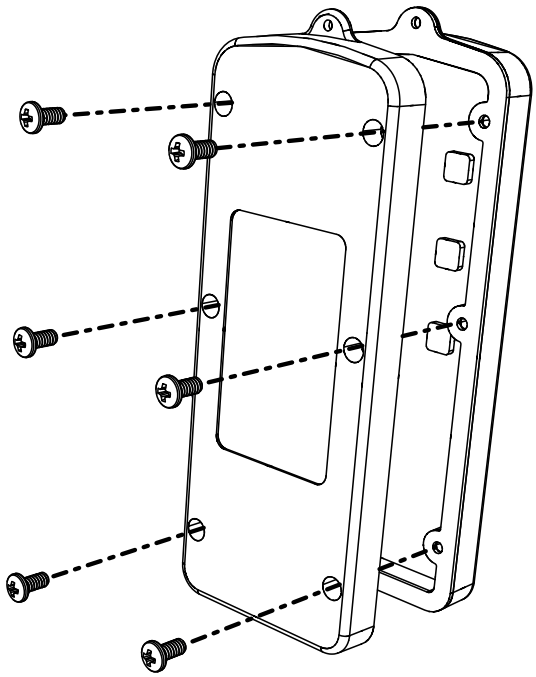
WARNING: Risk of fire and explosion. Do not burn, crush, disassemble or short-circuit batteries.

Important: All included batteries included intended for sale in the EU market are classified as "Portable Batteries for General Use" and comply with European Battery Regulation (EU) 2023/1542.

The remote control contains a 3V CR2032 battery that may require replacement over time.

Tools needed:
- Phillips screwdriver

1. Remove 6 screws from the back of the remote control.



2. Detach the two halves of the enclosure.
3. Remove the keypad insert with PCB from the remote control enclosure.
4. Pull the keypad away from the PCB to expose the battery.
5. Slide the 3V CR2032 battery out and replace with a new battery. Ensure to maintain polarity; “+” on the battery faces away from PCB.
6. Reverse the procedure to reinstall components into the enclosure.





WEIGHING FUNCTIONS

ZERO 23

TARE 24

PRINTING 29

HIGH RESOLUTION 32

SETTING DATE AND TIME 33

ALIBI MEMORY 34

SETPOINT CONFIGURATION 36

CONFIGURE BACKLIGHT 37

AUTOMATIC POWER OFF 39

FUNCTION MODES 40

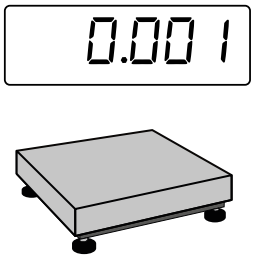
ZERO

The Zero key is one of the most frequently used indicator keys. It manually resets the current stable weight to a maximum of ± 2% of total scale capacity (by default). The maximum percentage may be increased for scales that are not legal for trade in the Technical menu (see 0.PErC parameter in the DFWXS Technical Manual).

Zero Scale

Sets the current gross weight to zero, provided the amount of weight to be removed or added is within the specified zero range and the scale is not in motion.

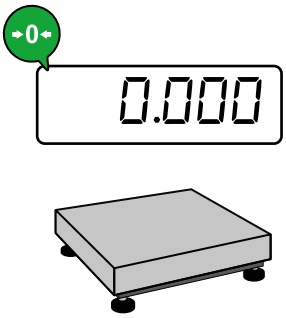
1



2



3



Automatic Zero During Scale Initialization

The indicator has an automatic function that zeros the scale upon initialization to ensure the correct empty scale weighment after the scale is turned on.

Not Approved scale (Not legal for trade)

- At initialization a stable weight is within ± 10% of the total scale capacity is detected and then zeroed.
- If the weight is not within ± 10% of the total scale capacity or unstable, indicator attempts zeroing for several seconds. Display shows the current weight alternating with the message “Zero”. If zeroing can not be performed, the indicator displays the current weight.

Approved scale (Legal for trade)

- At start-up a weight within ± 10% of the capacity and stable is detected, it will be zeroed.
- If the weight is not within this tolerance or unstable, display shows the real time weight alternating the message “Zero” until the zeroing conditions are not detected.

NOTE: See on.2Ero parameter in the DFWXS Technical Manual for more information.

Zero Tracking Function

The indicator has a Zero Tracking function that resets unexpected zero micro-variations due to temperature changes, residue on the platform, etc.

Zero tracking works on approved (legal for trade) and internal use (not legal for trade) configurations. Zero tracking resets micro weight-variations within half a scale division, stable for at least one second.

NOTE: See 0.trh parameter in the DFWXS Technical Manual for more information.

TARE

Available Tare Functions

The instrument provides various tare functions:
• “Locked” tare (standard factory configuration).
• “Unlocked” tare: automatically deleted every time the scale is unloaded. Useful in preventing errors when the tare is different for every weighment.
• Tare acquired automatically by the scale. Tare is only acquired if there is no other saved tare value.
• Tare function disabled.

To customize the tare function, enter the tArE section in the configuration menu (see page 121 and 121) or through shortcuts.

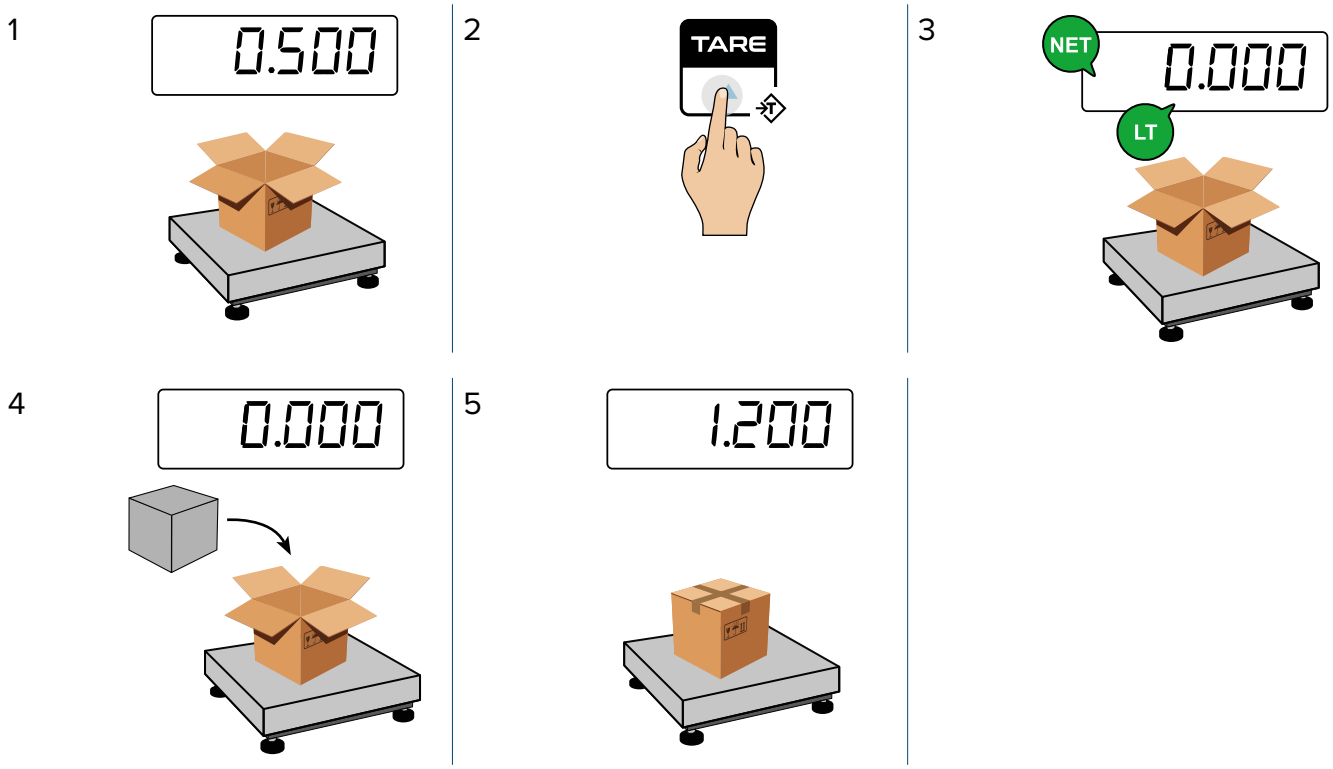
Tare Requirements

• Semiautomatic tare can only be performed if the weight is stable
• A tare can only be performed with positive weight.
• If the indicator is legal for trade and tare has been disabled it is not possible to set LoCk/unLoCk (see page **27**).
• Tare is possible on for the entire scale range (0 through full scale capacity)

Semiautomatic Tare

The semiautomatic tare performs a tare with a value of the weight on the scale.





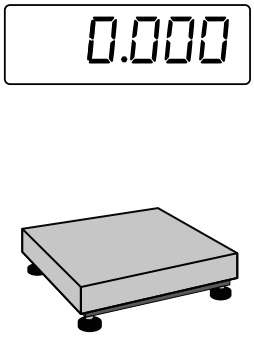
Preset Tare

The preset tare inserts a user configured numeric weight value as the tare.

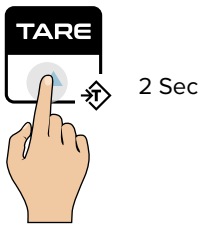


Set Preset Tare with Keys

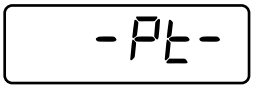
1



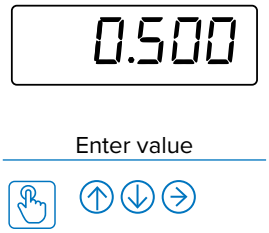
2



3



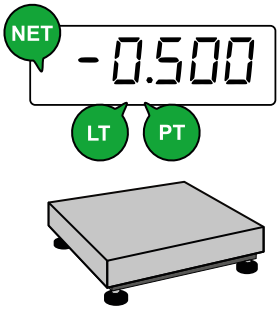
4



5

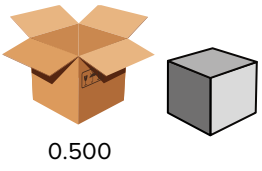


6



7

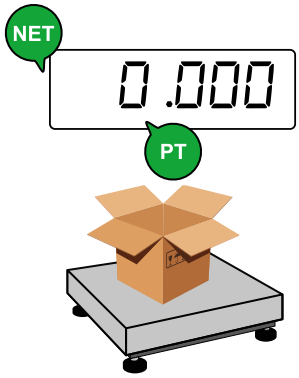




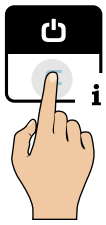
Tare/Preset Tare Deletion

Cancel a preset tare by pressing ⊏ or by changing the preset value to 0. The example below demonstrates how to change the preset tare value to 0 by pressing ⊏.

1



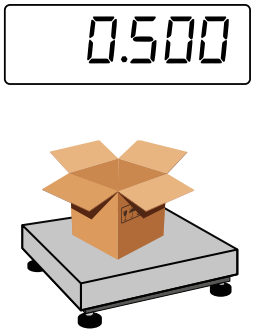
2



3



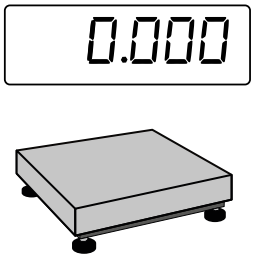
4



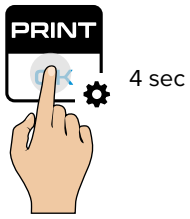
NOTE: The tare can also be removed with an unlocked tArE *(see page* **27***).*
If the automatic tare is active and a weight is on the scale, the scale must be unloaded before cancelling the tare (see page **26***).*

Automatic Tare Deletion or Disable Tare

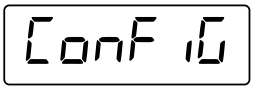
1



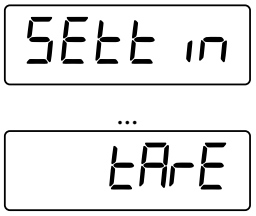
2



3



4



Set the parameter



5



6



Set the parameter

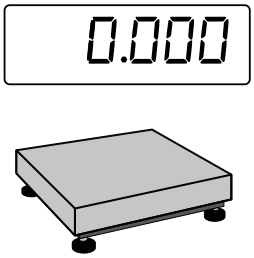


7 Exit User menu and save (see page 95).

LoCh = Automatic deletion disabled
unLoCh = Automatic deletion enabled: the tare will be deleted automatically when unloaded
oFF = All tare functions disabled

Automatic Tare

1

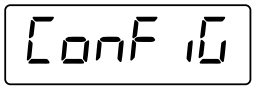


2

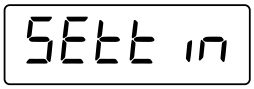


4 sec

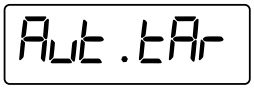
3



4



...



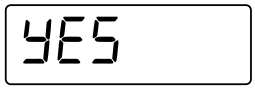
Set the parameter



5



6





Set the parameter



7 Exit User menu and save (see page 95).

`Aut.tAr` = The tare automatically activates when the gross weight is 0 and then weight is placed on the scale.

NOTES:

1. ***After an automatic tare occurs, semi-automatic tare are then available***

Tare Unlock and Automatic Tare can be used together to have the tare activated and cancelled just adding / removing weight on the scale. For example:

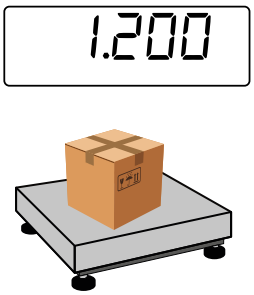
1. ***Put empty container on the scale, it will be automatically tared***
2. ***Load weight into the container and read the weight (*)***
3. ***Remove the full container from the scale, the tare will be automatically cancelled***

(*) Meanwhile, it is possible to perform other operations (for example totalization)

PRINTING

Printout

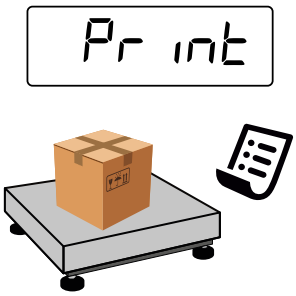
1



2



3



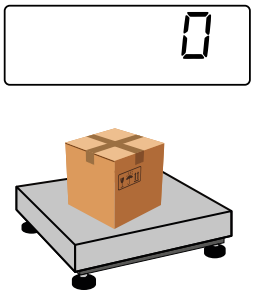
Printout rules:

- If Reactivation is configured as 2Ero (see Technical Manual), the measured weight must return to zero before the indicator is able to print.
- If Reactivation is configured as inSt (see Technical Manual), the measured weight must be different from the configured number of division before the indicator is able to print.
- Negative weights are not printable.
- Weights must be stable.

NOTE: The quantity of printout copies for a single ticket is set with the CoP iES parameter in the LAYout menu (see the DFWXS Technical Manual for more information).

Reset Ticket Progressive

1

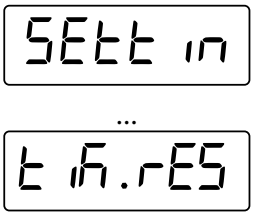


2



4 sec

3



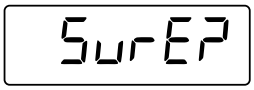
Set the parameter



4



5



Set the parameter



6

Exit User menu and save (see page 95).

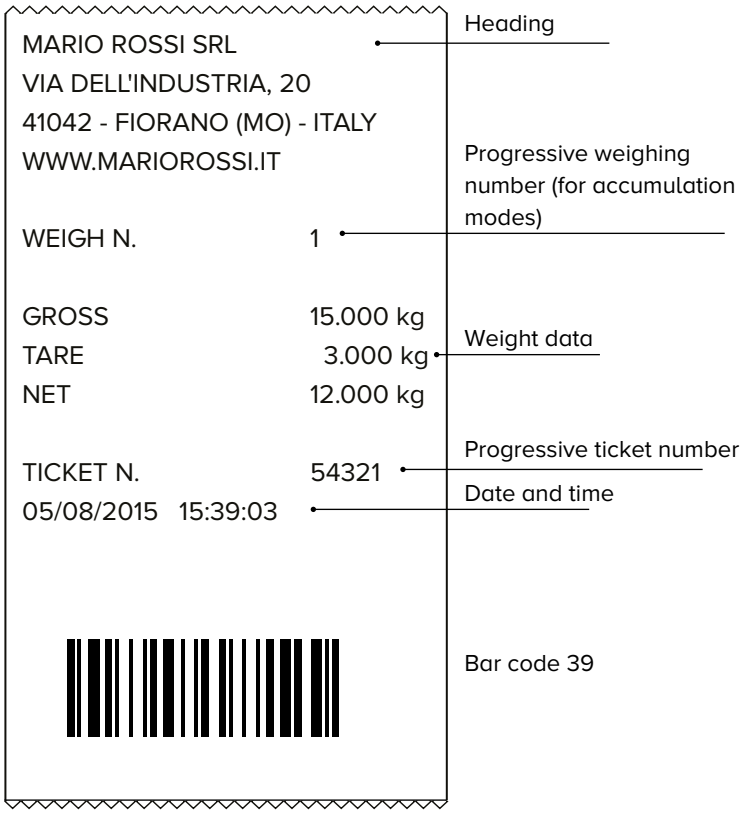
NOTE: When totalizing a weight automatically or by pressing **OK**, *the indicator automatically prints the ticket (see* **48***). In addition, the totalization total prints when* **OK** *is held for 2 seconds and the print command is executed (see page* **50***). The totalization ticket varies from a customized printout.*

Customisable Printouts

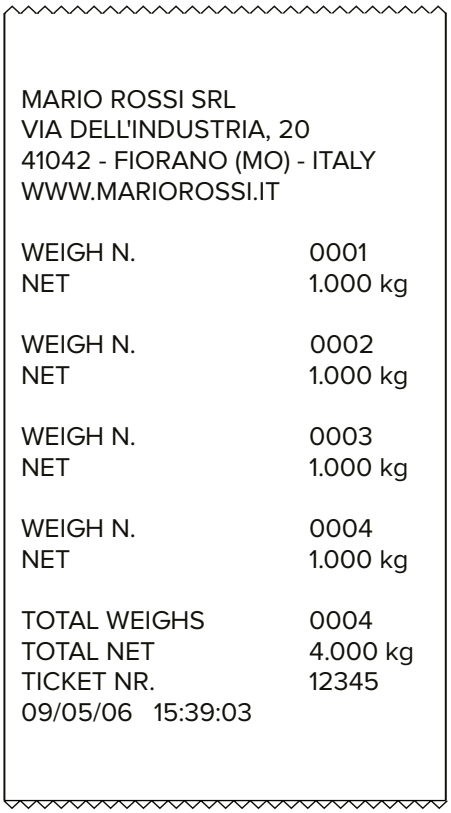
If the instrument is equipped with a printer, the ticket or label can be customised as shown in the following example.

Customising printouts requires advanced configuration.

Example of ticket/label



Example of packing list



HIGH RESOLUTION

When x10 mode is enabled, the scale display shows the weight with 10 times (x10) the resolution. For example, If a scale is calibrated as 3000g\1g, the increased resolution (x10) function changes the resolution to 3000g\ 0.1g.

When increased resolution (x10) is enabled, the backlight illuminates purple.

Increased resolution (x10) remains enabled when the scale is power cycled.
When increased resolution (x10) is enabled, all functions except ZERO, TARE and PT are deactivated.
To switch between increased resolution (x10) and standard resolution, press the **MODE** key.
If any function key is pressed, PrEc . 10 on a purple background displays.

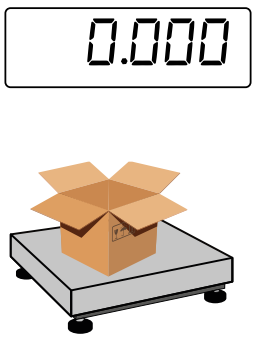
When increased resolution (x10) is disabled, any function that was previously active is retrieved.

NOTE: If scale is approved (legal for trade):
- *Increased resolution (X10) stays for 5 seconds and then automatically disappears.*
- *Printouts are disabled*

NOTE: When enabled, all function modes are disabled.

Configure Increased Resolution

1

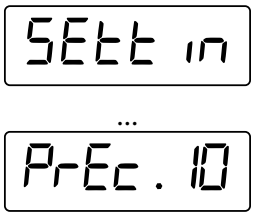


2



4 sec

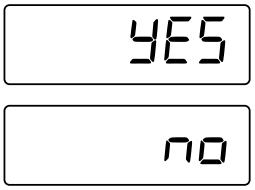
3



Set the parameter



4



Set the parameter



5

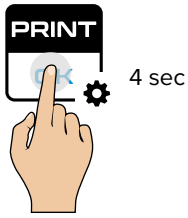
Exit User menu and save (see page 95).

SETTING DATE AND TIME

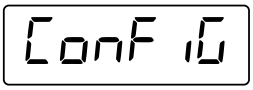
1



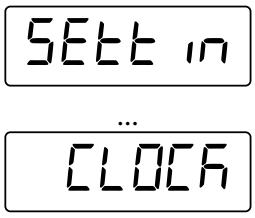
2



3



4



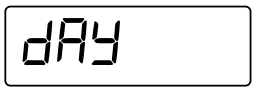
Set the parameter



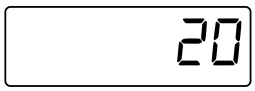
5



6



7



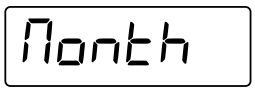
Set the parameter



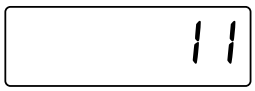
8



9



10



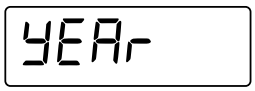
Set the parameter



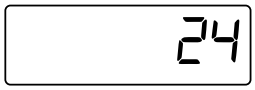
11



12



13



Set the parameter



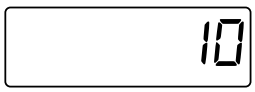
14



15



16



Set the parameter



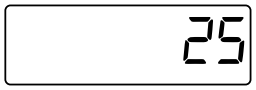
17



18



19



Set the parameter



20



21



22 Exit User menu and save (see page 95).

NOTES:
This function requires a real-time clock (included with Alibi).
For information about setting the date and time, see page 122.

The format of the date and time varies depending on configuration in the Technical Menu. For more information, see the DFWXS Technical Manual (tM.ForM and dt.ForM parameters).

ALIBI MEMORY

Alibi memory is an option card installed in the weight indicator that may be included as standard or optional depending on indicator model. In legal for trade applications, Alibi memory performs it main function, storing/tracing weighment data before sending it to a PC or Printer. When Alibi memory is installed, it automatically activates.

The weighment ID code is expressed as Re-write number - Weightment number. The rewrite number is a 5-digit number that ranges from 0 to 00255, and indicates the number of complete rewrites of the alibi memory. The weighment number is a 6-digit number that ranges from 0 to 131071, and indicates the weighment number in the current alibi memory rewrite. When a weighment is stored, the weighment ID number is incremented by 000001, and when it reaches the value 131071, it restarts from 000000 and the rewrite number increments by 00001.

For example: 00001 - 000021.

For each weighment registered, a unique ID code is assigned. Data stored for each weighment includes:
- Gross weight
- Tare weight
- Unit of measure
- Scale Number
- Traceability ID code

NOTE: For information about ALIBI parameters, see page 123.

Weighment Storage

A weighment is stored when either occurs:
- When the PID serial storage serial command is received.
- After the **PRINT** button is are pressed, the indicator prints or totalizes gross weight, tare, net weight, and unique weight ID code via serial connection to PC or printer.

ALIBI ID 00000-000037
WEIGHING NR. 0000014
GROSS 0.200 kg
TARE 0.000 kg
NET 0.200 kg
05/02/025 18:09:59

The storage of the weighment through the PID serial command is possible for all stable weights from 0 to full scale, with an approved instrument or unapproved instrument.

In case that these conditions are not observed:
- In response to the PID serial command “NO” displays instead of the ID.
- Transmission does not occur when **PRINT** button is pressed.

If the weight is not valid, “NO ALIBI” is printed.

For more information about the PID command, see the DFWXS Serial Protocol Manual.

Weighment Reading

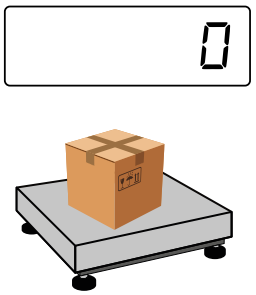
It is possible to read the weighments in the Configuration menu via the RL ıb ı parameter with the Alibi ID number. For information, see page **120**.

SETPOINT CONFIGURATION

Up to 6 setpoints can be optionally set if the Digital Input and Output board is installed. Each setpoint has two states, setpoint on (S1.on - S6.on) and setpoint off (S1.oFF - S6.oFF). For more information, see page 124.
Setpoints cause an output to trigger when a certain weight is reached. For example, Setpoint 1 could be configured to turn on when the weight reaches 2 kg and turn off when it reaches 1 kg.

NOTE: The outputs must be set as either Gross or Net in order for the function to operate. For more information, see outPut ▶ rEL.b. *parameters in the Technical Manual.*

1



2



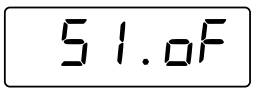
4 sec

3



Set the parameter

4



5

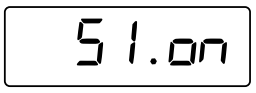


6



Enter the weight that turns off the setpoint

7



8



9



Enter the weight that turns on the setpoint

10 Repeat configuration for remaining setpoints.

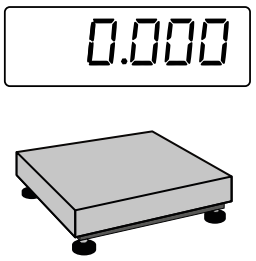
11 Exit User menu and save (see page 95).

CONFIGURE BACKLIGHT

The indicator's backlight may be configured to determine when illumination occurs or its brightness. Depending on application it may be desirable to limit the frequency of activation or brightness when operating from the battery.

Backlight Activity Setup

1

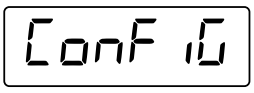


2

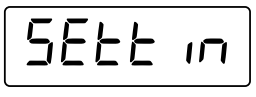


4 sec

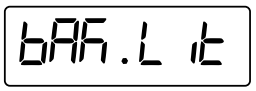
3



4



...



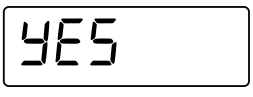
Set the parameter

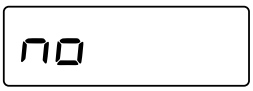


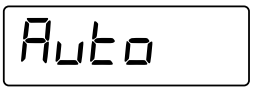
5



6







Set the parameter



7

Optional for Auto parameter



Set the parameter

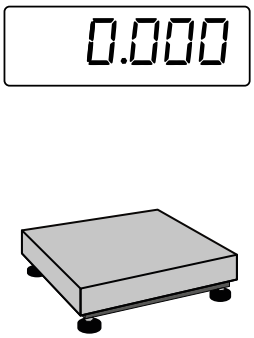


8

Exit User menu and save (see page 95).

Backlight Brightness

1

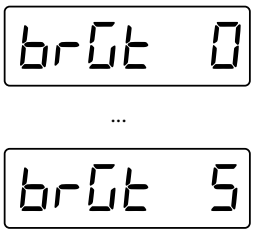


2



4 sec

3



Set the parameter



4

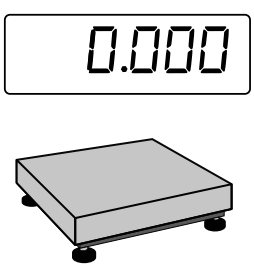


NOTE: For information about br iGt *parameters, see page 112.*

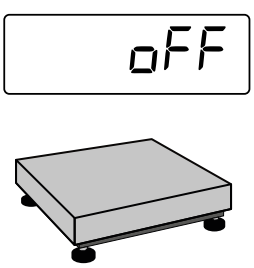
AUTOMATIC POWER OFF

To preserve the battery charge, the automatic power-off function turns off the scale when not in use for a set amount of time. For more information about the AutoFF see *DFWX and DFWXS Technical manual*.

How Automatic Power Off Functions



The scale powers off when time configured in the AutoFF parameter lapses.



FUNCTION MODES

The indicator contains a variety of functions that are accessed from the Function menu though the **Mode** button. Each Function mode provides operation for specific scenarios.

Select Function Mode

1



2

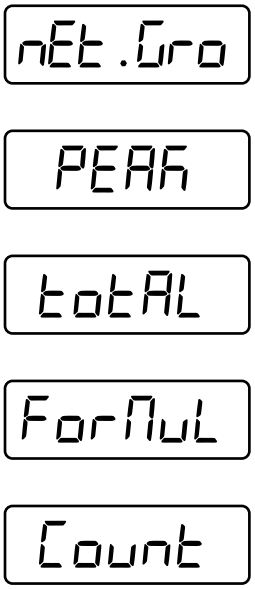


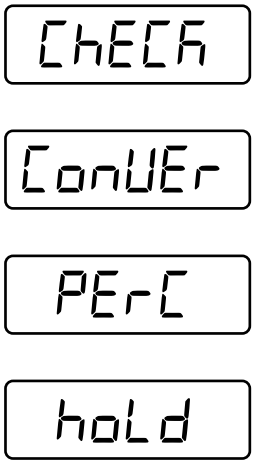
4 sec

3



4





Select the Function mode



5



Press OK to continue.

NET AND GROSS WEIGHT EXCHANGE

INTRODUCTION 42

ENABLE NET AND GROSS EXCHANGE FUNCTION MODE 42

EXCHANGE BETWEEN NET WEIGHT AND GROSS WEIGHT 43

INTRODUCTION

The nEt.Gro conversion function changes between net weight and gross weight. .
The annunciators indicates gross weight is enabled with “G”, net weight with “NET” annunciators.

ENABLE NET AND GROSS EXCHANGE FUNCTION MODE

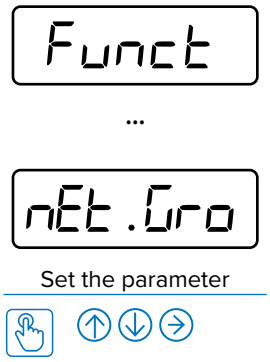
Enable Conversion Function

1



4 sec

2

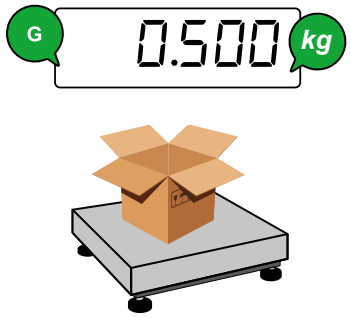


3



EXCHANGE BETWEEN NET WEIGHT AND GROSS WEIGHT

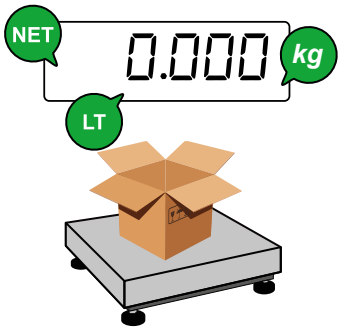
1



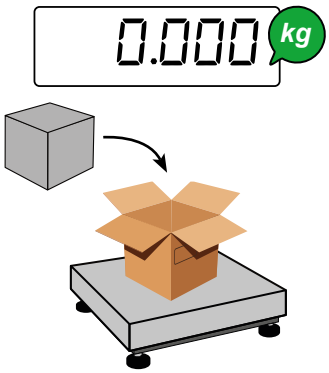
2



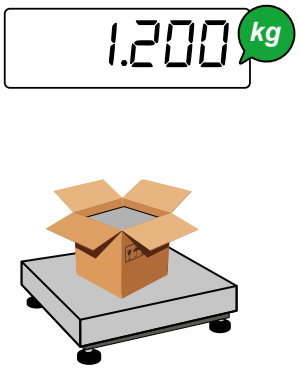
3



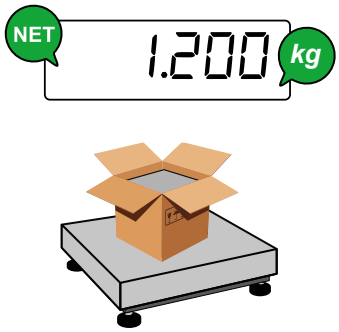
1



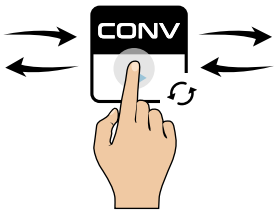
2



1

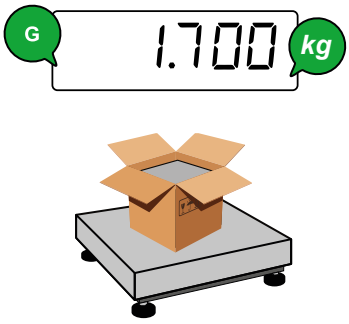


2



Convert from net weight to gross weight at any time.

3



If there is a tare weight, the gross weight is displayed for 2 seconds. While the gross weight is displayed, printing is not possible.

TOTALIZATION & FORMULATION MODES

INTRODUCTION 45

HOW TO ENABLE TOTALIZATION MODE 45

TOTALIZATION RULES 45

TOTALIZATION SETUP AND OPERATION 48

TOTALIZATION PROCESS 50

INTRODUCTION

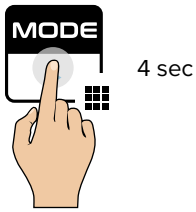
This section describes totalization configuration and operation.
Totalization allows several weights to be added together and calculate a cumulative total. Totalization is segmented into two types totAL and FormuL:

- Horizontal Loading/Unloading Totalization (totAL)
- Vertical Loading/Unloading Formulation (FormuL)

It is possible to see the number of weighments and the temporary total at any time during processing. There are several different parameters that can be configured to change how totalization operates.

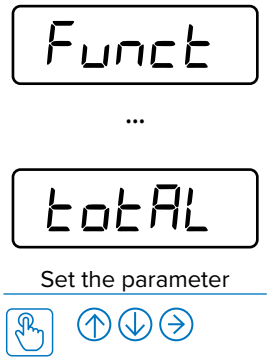
HOW TO ENABLE TOTALIZATION MODE

1



4 sec

2



3

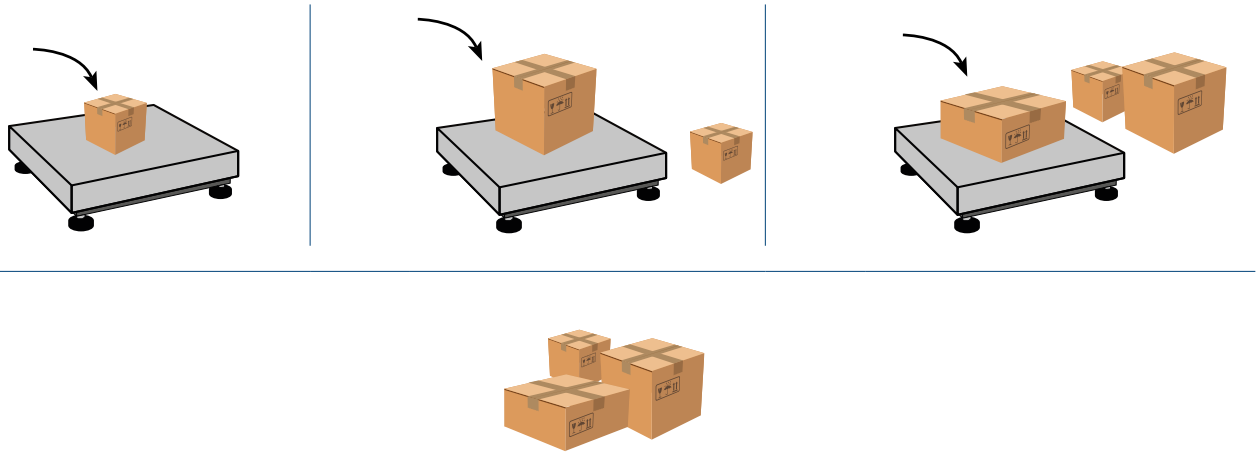


TOTALIZATION RULES

- After the first totalization the weight must be reactivated (see “Totalization reactivation”)
- It is not possible to totalize if the gross weight is ≤ 0 (except for unloading totalization)
- It is not possible to totalize if the net weight is ≤ 0 (except for unloading totalization)
- It is not possible to totalize if the weight in unstable (~)
- If the Albi memory is installed, the totalization also saves the weigh data in the alibi memory

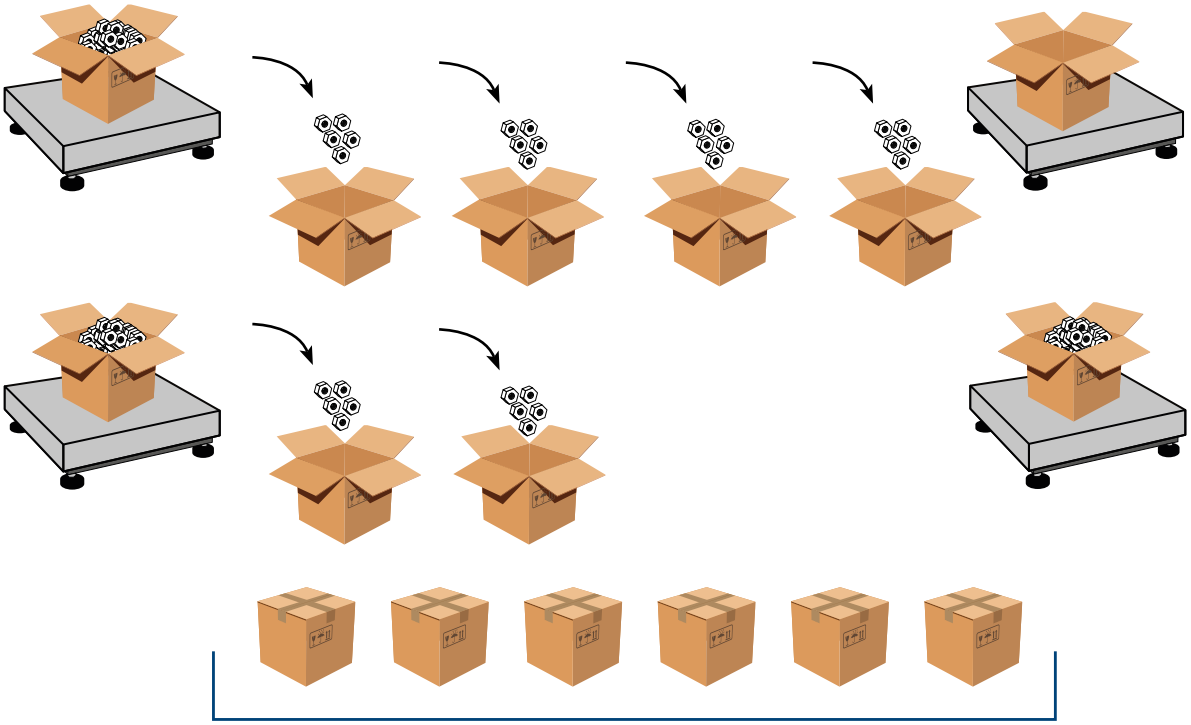
Horizontal Loading Totalization

The horizontal totalization consists of loading the object on the scale, executing totalization, and then unloading the object.



Horizontal Unloading Totalization

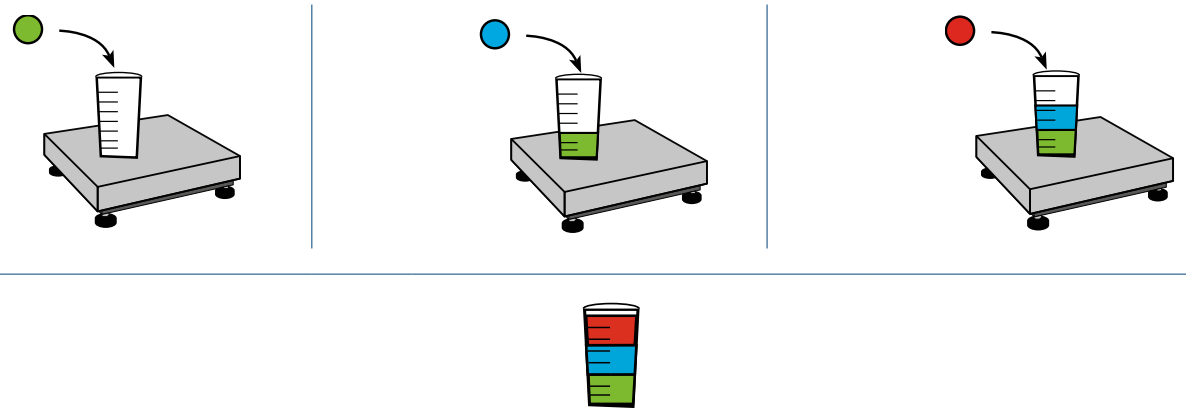
Unloading totalization consists of loading a full container on the scale and using the Tare function, removing the required object quantity and executing totalization, and then repeating removing objects and totalizing. After the first container is emptied, a second container can be loaded and then restarting the process.



Vertical Loading Totalization (Formula)

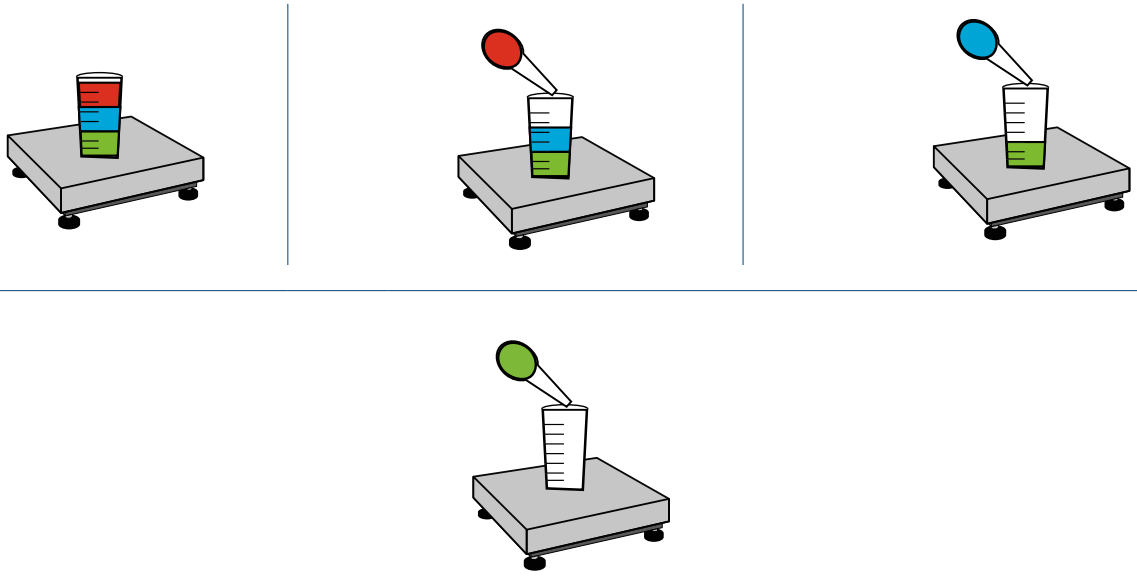
The vertical totalization (formulation) operation consists of loading the first object/ingredient on the scale, executing totalization, and then repeating the process until all object/ingredient are loaded and the total weight is measured. Unloading the scale occurs at the end of the process.

NOTE: The total cannot exceed the maximum scale capacity since at the end of the process, all objects (plus a possible tare) are loaded on the scale at the same time



Vertical Unloading Totalization (Formula)

The vertical totalization (formulation) operation consists of loading a full containar on the scale, executing a tare, and then unloading material from it, and then totalizing the material. The process is repeated until all material is unloaded and the total weight is measured. Unloading the scale occurs at the end of the process.



TOTALIZATION SETUP AND OPERATION

Totalization type (tot.TYPE), automatic tare (Aut.tAr), and compulsory tare (CPS.tAr) are frequently combined in a variety of ways to operate in a specific totalization process. This section identifies combinations of (tot.TYPE, tot.Mod, Aut.tAr and CPS.tAr) that are frequently used and their operation.

Horizontal Totalization

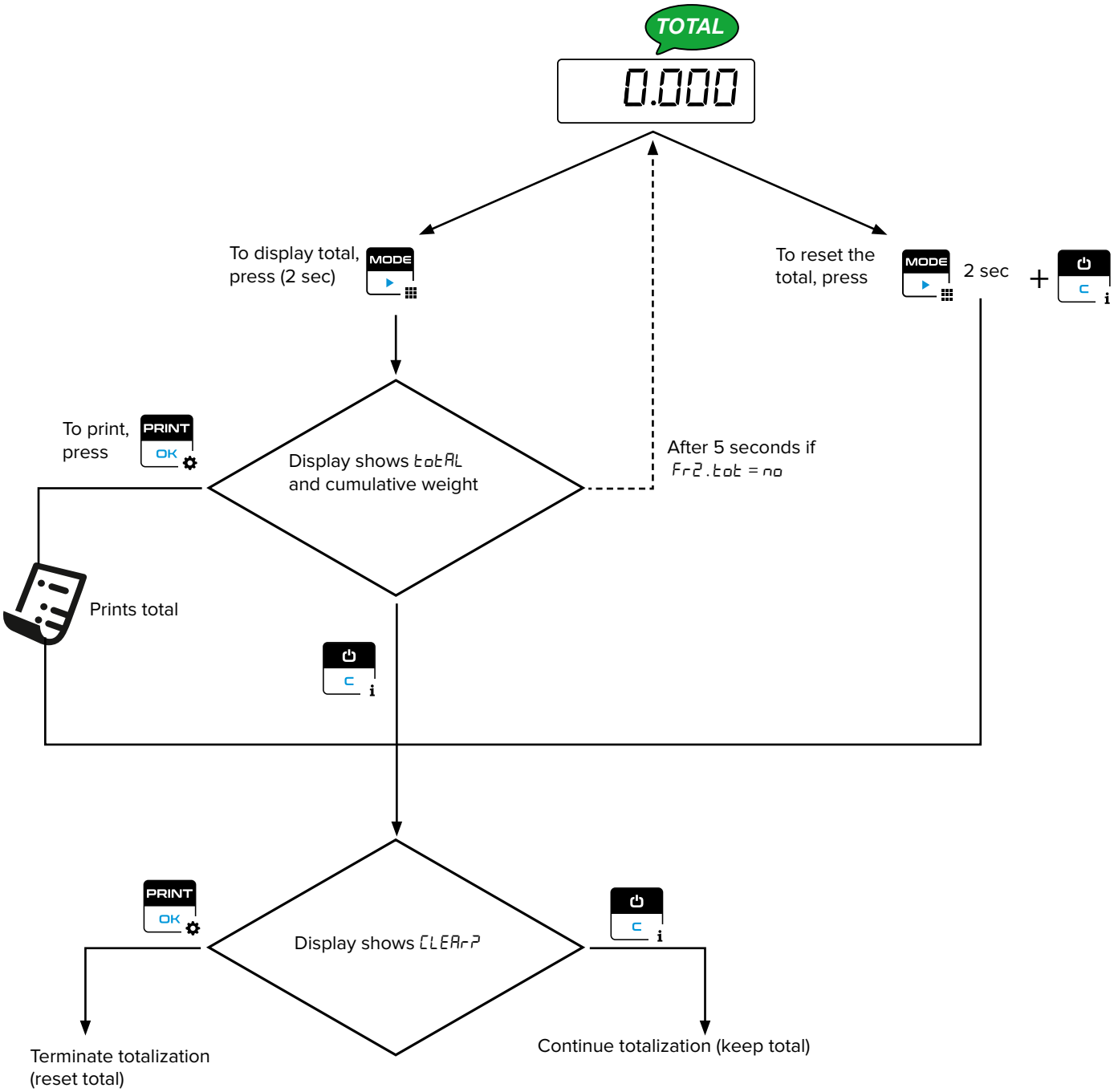
FUNCTION	CONFIGURATION	SETTINGS	SCALE OPERATION PROCEDURE
Manual Totalization	FUNCTION	TOTAL	1. Load the container (OPTIONAL). 2. Press **TARE** (OPTIONAL). 3. Load the weight. 4. Press **Print** to totalize. 5. Repeat step 3 and 4.
	TOT.TYPE	LOAD	
	TOT.MOD	MANUAL	
Automatic Totalization	FUNCTION	TOTAL	1. Load the container. 2. The indicator will automatically tare the weight. 3. Load the weight. 4. The indicator will automatically totalize. 5. Repeat step 3. * Set to NO if an automatic tare at the beginning of the procedure (Step 1 and 2) is not required.
	TOT.TYPE	LOAD	
	TOT.MOD	MANUAL	
	*AUT.TAR	YES	
	*CPS.TAR	YES	
Manual Unloading Totalization	FUNCTION	TOTAL	1. Load the container with material. 2. Press **TARE.** 3. Unload the material. 4. Press **Print** for totalize. 5. Repeat step 3.
	TOT.TYPE	UNLOAD	
	TOT.MOD	MANUAL	
Automatic Unloading Totalization	FUNCTION	TOTAL	1. Load the container with material. 2. The indicator will automatically tare the weight. 3. Unload the material. 4. The indicator will automatically totalize. 5. Repeat step 3.
	TOT.TYPE	UNLOAD	
	TOT.MOD	AUTO	
	AUT.TAR	YES	
	CPS.TAR	YES	

Vertical Totalization

FUNCTION	CONFIGURATION	SETTINGS	SCALE OPERATION PROCEDURE
Manual Formulation	FUNCTION	FORMUL	1. Load the container (OPTIONAL). 2. Press **TARE** (OPTIONAL). 3. Load the weight. 4. Press **Print** . 5. The indicator will totalize and zeroing the weight. 6. Repeat step 3 and 4.
	TOT.TYPE	LOAD	
	TOT.MOD	MANUAL	
Automatic Formulation	FUNCTION	FORMUL	1. Load the container. 2. The indicator will automatically tare the weight. 3. Load the weight. 4. The indicator will automatically totalize and zero the weight. 5. Repeat step 3. * Set to NO if an automatic tare at the beginning of the procedure (Step 1 and 2) is not required.
	TOT.TYPE	LOAD	
	Tot.MODE	AUTO	
	*AUT.TAR	YES	
	*CPS.TAR	YES	
Manual Unloading Formulation	FUNCTION	FORMUL	1. Load the container with material. 2. Press **TARE.** 3. Unload the material. 4. Press **Print**. 5. The indicator will totalize and zeroing the weight. 6. Repeat step 3.
	TOT.TYPE	UNLOAD	
	TOT.MOD	MANUAL	
Automatic Unloading Formulation	FUNCTION	FORMUL	1. Load the container with material. 2. The indicator will automatically tare the weight. 3. Unload the material. 4. The indicator will automatically totalize and zeroing the weight. 5. Repeat step 3.
	TOT.TYPE	UNLOAD	
	TOT.MOD	AUTO	
	AUT.TAR	YES	
	CPS.TAR	YES	

TOTALIZATION PROCESS

The following flow chart demonstrates how to view, print and terminate totalization.



COUNTING MODE

INTRODUCTION 52

HOW TO ENABLE COUNTING MODE 52

HOW TO SAMPLE 52

HOW TO SET AVERAGE PIECE WEIGHT (APW) 53

SWITCH BETWEEN PCS AND WEIGHT 53

INTRODUCTION

The count function allows the scale to convert weight into pieces. The conversion is possible by sampling a known number of pieces or manually inserting the single piece weight (APW).

NOTE: Piece Counting mode only functions if the objects that will be counted are consistent with one another. For example, a quantity of M4 nuts can be counted in the same process. However, quantities of M4 and M6 nuts can not be counted in the same process.

HOW TO ENABLE COUNTING MODE

1



4 sec

2



...



Set the parameter



3



HOW TO SAMPLE

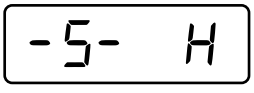
1 Load samples on scale

2



2 sec

3



Set the parameter



4



5



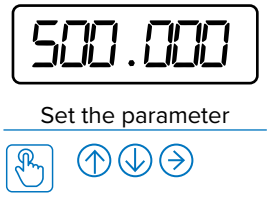
HOW TO SET AVERAGE PIECE WEIGHT (APW)

1



2 sec

2



Set the parameter

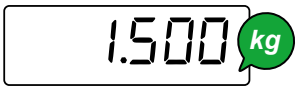
3

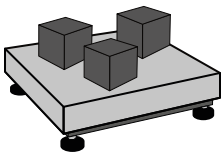


SWITCH BETWEEN PCS AND WEIGHT

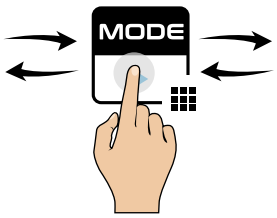
Press **MODE** to switch between PCS and weight.

1



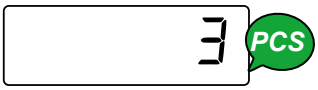


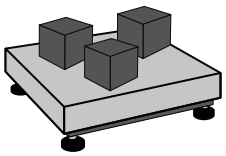
2



Convert from weight to pieces at any time.

3





CHECK WEIGH MODE

OVERVIEW 55

HOW TO ENABLE CHECK MODE 55

CHECK MODE TYPES 55

ACCESS CHECK PARAMETERS 56

HOW TO SET A TARGET 57

GROSS, NET, NET NEGATIVE 57

HOW TO SAMPLE A NET NEGATIVE FROM THE SCALE 58

HOW TO SAMPLE A ZERO TARGET FROM THE SCALE 59

HOW TO SAMPLE PIECES (PCS) 60

MIN & MAX THRESHOLDS 61

ABOUT CHECK WEIGH MODE ANNUNCIATORS 62

CHECK WEIGH MODE CONFIGURED 62

HOW TO USE THE CHECK WEIGH MODE 63

ADDITIONAL SETTINGS 66

OVERVIEW

Check weigh mode is a function that verifies an object's weight against a configured target and optional thresholds. The multi-color display provides a real-time indication if the current weight is acceptable or larger/smaller than expected.

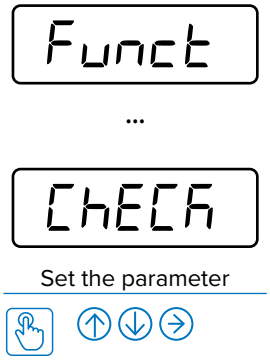
HOW TO ENABLE CHECK MODE

1



4 sec

2



3



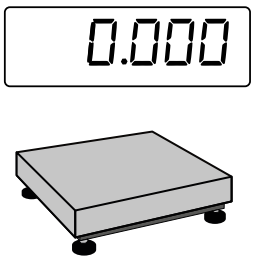
CHECK MODE TYPES

The DFWXS includes 5 different check weighing modes, to match different applications:

MODE	DESCRIPTION
Gross	Controls total weight of goods by verifying if the measured gross weight is acceptable or is out of tolerance. *NOTE: Typically used for inspection to identify missing parts in packages.*
Net	Verifies if the measured net weight is acceptable or is out of tolerance. *NOTE: Typically used to measure the weight of a container with product.*
Zero	Verifies if the measured net weight is the same as the sample. *NOTE: Typically used to quality check production goods. For example, the operator tares the sample target, and then checks if there is a difference in weight with subsequent weighments in relation to the target. Instead of displaying the sample weight, a difference value is displayed (for example, -2.5 kg or 4.2 kg).*
Net Negative	Verifies if the measured net weight is acceptable or out of tolerance. This function verifies how much product is removed from the total on the scale. *NOTE: Typically used to manually add ingredients to bases moving on production lines or to fill containers to a certain quantity. This mode requires a TARGET greater than 10 scale divisions.*
PCS	*Used to check a user defined quantity of pieces.*

ACCESS CHECK PARAMETERS

1

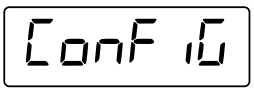


2

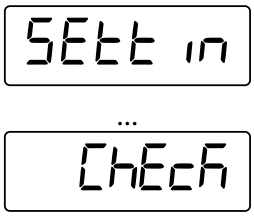


4 sec

3



4



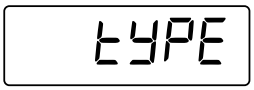
Set the parameter



5



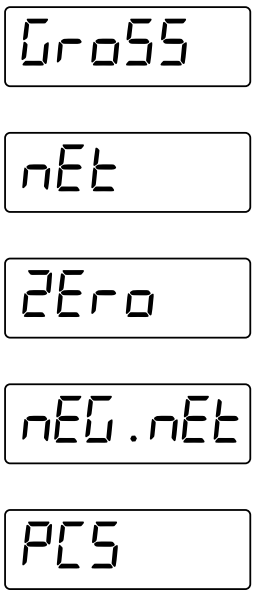
6



7



8



Set the parameter



9

Exit and save User menu (see page 95).

HOW TO SET A TARGET

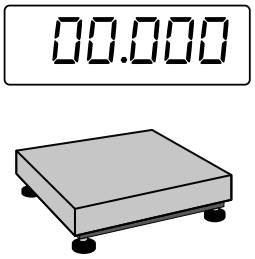
How a t arget is set varies depending on the type of Check weigh mode. Some Check weigh modes allow the target to be set throughrt a configuratble numeric field while others requires an object to be set on the scale.

NOTE: If a target has been correctly programmed, the icon TARGET appears on the display.

GROSS, NET, NET NEGATIVE

Manually Enter Target

1



2



3



4



How to Sample a Target from the Scale

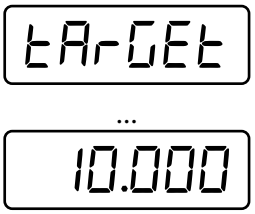
1



2



3

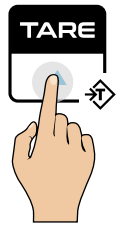


HOW TO SAMPLE A NET NEGATIVE FROM THE SCALE

1

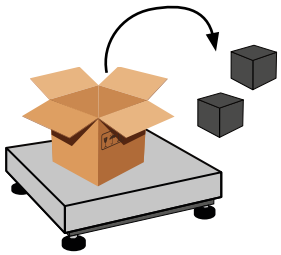


2



3







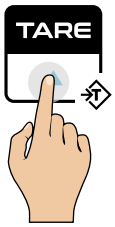


HOW TO SAMPLE A ZERO TARGET FROM THE SCALE

1



2

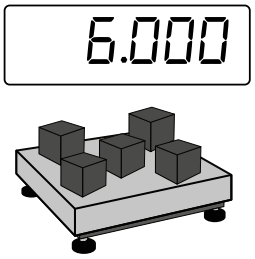


3



HOW TO SAMPLE PIECES (PCS)

1



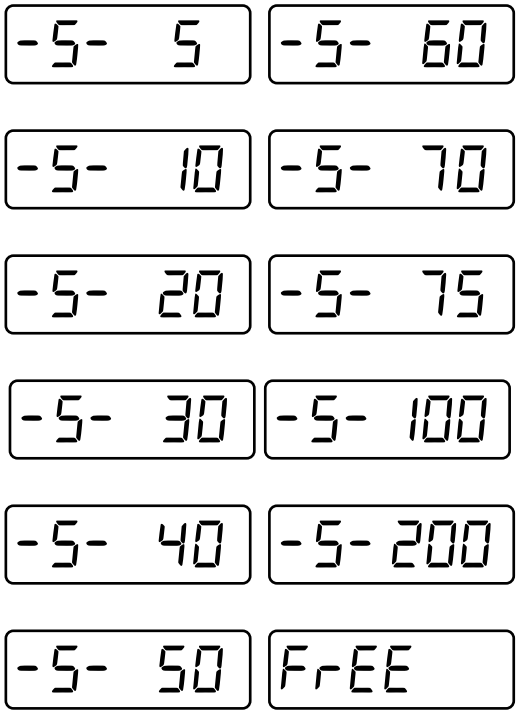
2



3



4



Set the sample





NOTE: When using with Check Mode, the threshold must be configured in order to function.
The threhold is always abolsoute and the low threshold must be higher than zero to check pieces.

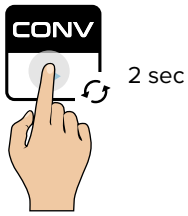
MIN & MAX THRESHOLDS

Gross, Net, Net Negative, PCS

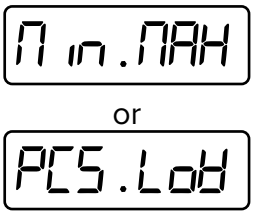
1



2



3



4



Set the Threshold



5



6



Set the Threshold



7



Min.Max threhold Example 1
To check a weight of 1000 g with +/- 5 g tolerance (between 995 g and 1005 g), set:

- tArGEt = 01000
- Min = L00005
- MAH = h00005

Min.Max threhold Example 2
To check a weight of 500 g with + 10 g / - 20 g tolerance (that is, between 480 g and 510 g), set:

- tArGEt = 00500
- Min = L00020
- MAH = h00010

Threhold Example
To check an absolute tolerance with an accepted range of 4 through 6 set the Low threshold as 4 and high threshold as 6, set:

- PCS.LoW = L00004
- PCS. MAH = h00006

ABOUT CHECK WEIGH MODE ANNUNCIATORS

By default configuration, check weigh results are dislpayed in colors results:

MODE	DESCRIPTION
	Weight has exceeded the target weight.
	Weight is accepable.
	Weight is below target weight.

During check weighing, the check icon functions in the following method:

MODE	DESCRIPTION
	Check mode is active. If the display is green, weight is equal to target.
	Weight is under target. If the display is green, weight is still in tolerance. If the display is another color, weight is out of tolerance.
	Weight is over target. If the display is green , weight is still in tolerance. If the display is another color, weight is out of tolerance.

CHECK WEIGH MODE CONFIGURED

Once a Target and thresholds have been programmed, the following Icons appear on display:
TARGET HILO. When check weigh mode is active, the display changes color automatically to show the check result.

NOTE: If a threshold is configured, check mode activates when the weight exceeds the threshold. For more information, see ChECh ▶ thrESh on page 100.

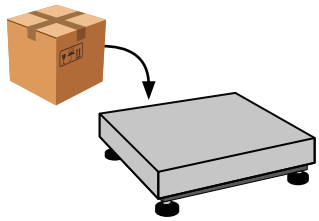
HOW TO USE THE CHECK WEIGH MODE

Before proceeding, set the sample target and configure the minimum and maximum parameters.

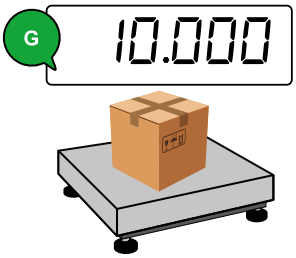
Gross

Place object on scale and verify if in target.

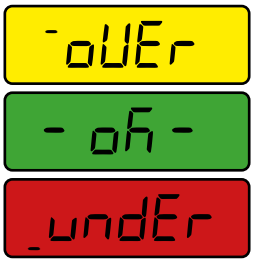
1



2



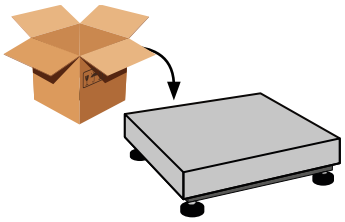
3



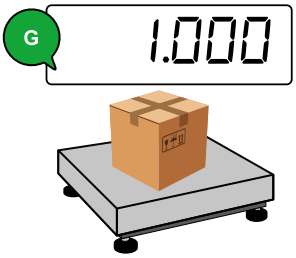
Net

Place container on scale, tare container weight, place object in container, and then verify net weight is in target.

1



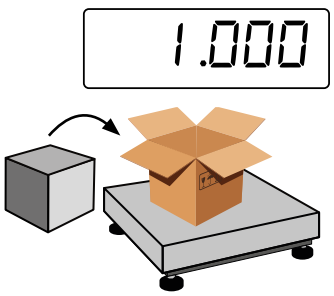
2



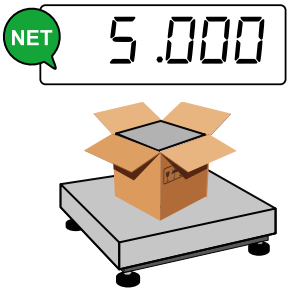
3

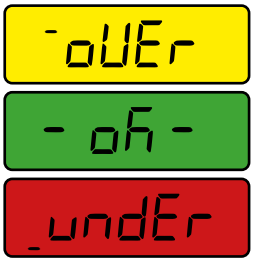


4



5

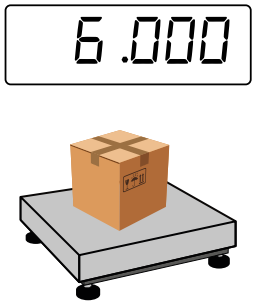




Zero

Place sample on the scale, tare sample, place comparitive weight on scale, verify weight is in target.

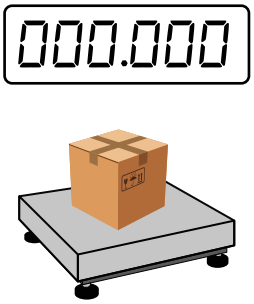
1



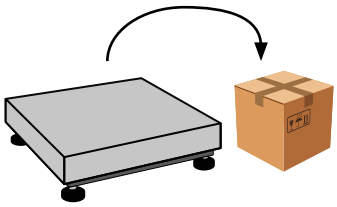
2



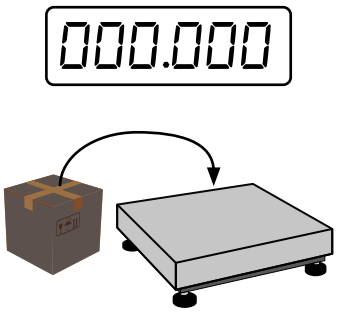
3



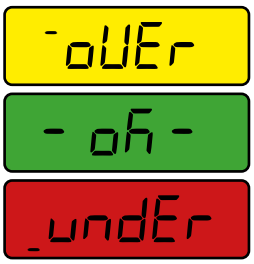
4



5



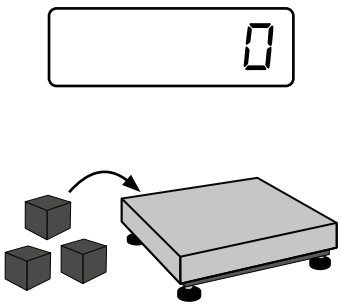
6



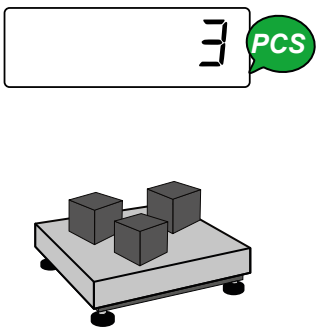
PCS

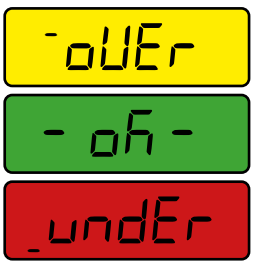
Place samples on the scale, verify quantity of samples is in target.

1



2





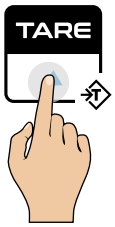
Take Away (nEG.nEt) Check Weigh Modes

Place full container on scale, tare scale, remvoe desired quantity of objects from container, and then check if the weight is in tolerance.

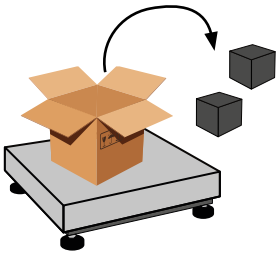
1



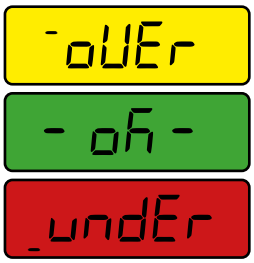
2



3



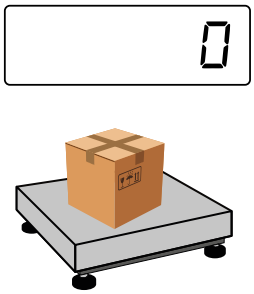
4



ADDITIONAL SETTINGS

Access Additional Settings

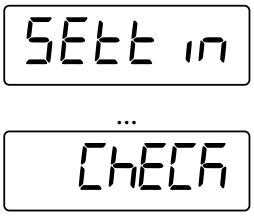
1



2



3



Set the parameter



4



5



Set the parameter



NOTE: For information see, page 98.

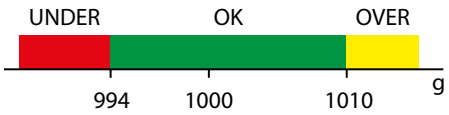
Tolerance Input Modes

Tolerance range can be expressed in 3 different ways.

SUB MENU	PARAMETER	DESCRIPTION
C.ModE	toLEr (default)	Requires setting a TARGET and HI\LO weighing thresholds. Parameter values are expressed in weight. For example: TARGET= 1000g; TOLERANCE HI 10g; TOLERANCE LO= 6g
	t.PErC	Requires setting a TARGET and HI\Low weighing thresholds. Parameter values are expressed in % with 2 decimal places. For example: TARGET= 1000g; TOLERANCE HI = 5%; TOLERANCE LO = 3%
	AbSoL	Requires setting a HI\LOW weighing thresholds. Parameter values are expressed as absolute thresholds. For example: TOLERANCE HI = 1010g; TOLERANCE LO 944g.

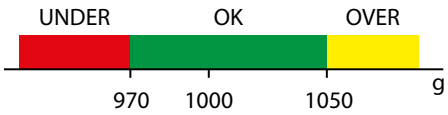
toLEr

TARGET = 1000 g
HI = 10 g
LO = 6 g



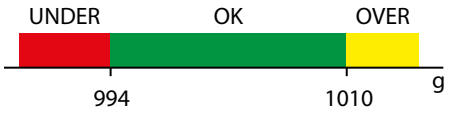
t.PErC

TARGET = 1000 g
HI = 5%
LO = 3%



AbSoL

HI = 1010 g
LO = 994 g



Check Message on Display

The display shows specific messages while checking weight to help the user understand the result:

SUB MENU	PARAMETER	DESCRIPTION
ChK.MSG	on (default)	Enabled
	oFF	Disabled

NOTE: The following are messages can occur during check weighing:

MESSAGE	DESCRIPTION
¯ oUEr	Weight over tolerance
¯ oK X	Weight in tolerance but higher than target; X is the weight exceeding target (max of 9 units)
- oK -	Weight in target
_ oK X	Weight in tolerance but lower than target; X is the weight missing to reach target (max of 9 units)
_ undEr	Weight under tolerance

Acoustic Speaker

If on, the internal speaker emits audio during check operations:

SUB MENU	PARAMETER	DESCRIPTION
bEEP	nutE (default)	Speaker OFF (default)
	b.out	Beeps if out of tolerance, only when weight is stable
	b.SEnSE	Beeps frequency changes in real time, in function of the weight. More the weight get closer the target, more the Frequency increases

Check On/Off Threshold

It is possible to set a weighing threshold when the check is not performed. This avoids any unsuspected check when the scale is empty or partially loaded.

PARAMETER	DESCRIPTION
thrESh	Sets threshold weight value

Color Configuration

It is possible to set the configuration for various check status (under, OK, over, and unstable).

PARAMETER	DESCRIPTION
C.undEr	Color for Weight Under status (default red)
C.oh	Color for Weight OK status (default green)
C.oUEr	Color for Weight Over status (default yellow)
oh uns	Color for weight OK but Unstable status (default green)

NOTE: The available backlight colors follow:
- CoL 1 = ***Red***
- CoL 2 = ***Green***
- CoL 3 = ***Yellow***
- CoL 4 = ***Blue***
- CoL 5 = ***Purple***
- CoL 6 = ***Orange***
- CoL 7 = ***Cyan***

Print and Store Alibi Memory only when Weight is in Tolerance

If enabled, Printout and Alibi memory data storage (if alibi memory is present) occurs if the weight is within tolerance.

SUB MENU	PARAMETER	DESCRIPTION
Prn.toL	no (default)	Print and store stable weights
	YES	Print and store only in tolerance weights

Data Transmission to PC Only in Tolerance

If enabled, data transmission occurs when the weight is within tolerance.

SUB MENU	PARAMETER	DESCRIPTION
tH.toL	no	Weight transmission always active
	YES	Weight transmission only in tolerance

NOTE: Depending on the communication mode, this parameter transmits data in a specific way:

COMMUNICATION	DESCRIPTION
Transmission upon request	No restrictions
Continuous transmission	Only in tolerance
Transmission when Print K is pressed	Only in tolerance
Automatic Transmission at weight stability	Only in tolerance

PERCENTAGE WEIGHING

Enable Percentage Weighing 71

Configure Percentage Sample 72

Convert Percentage to Weight 72

Percentage Metering 73

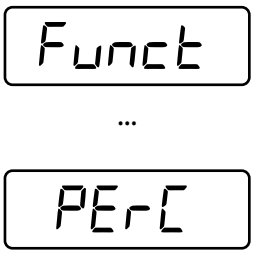
Enable Percentage Weighing

1



4 sec

2



Set the parameter

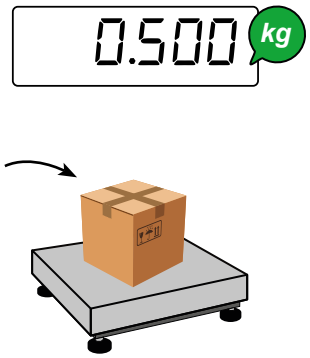


3

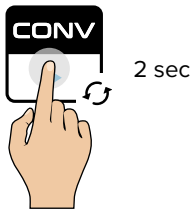


Configure Percentage Sample

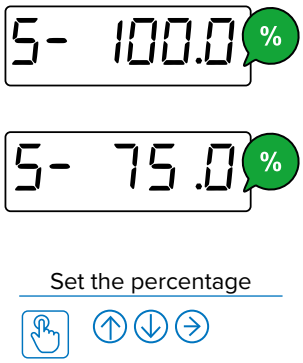
1



2



3



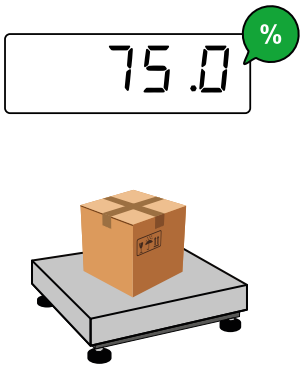
4



5

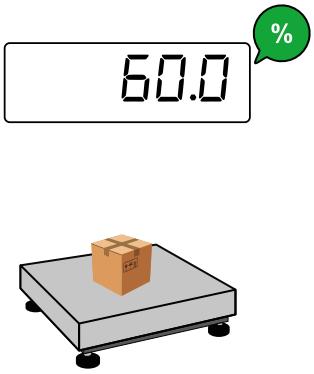


6

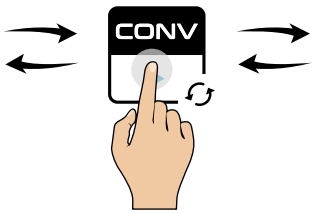


Convert Percentage to Weight

1



2



3



Percentage Metering

Example of formula

Product: RP28K
1. 2127A3 - 50%
2. 23AB4 - 30%
3. Water - 20%

Dose 500g

1



2



3

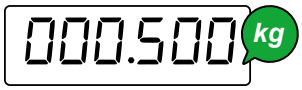


4



2 sec

5



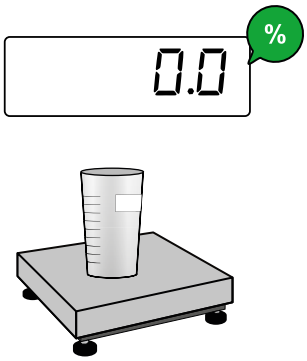
Enter the total required weight



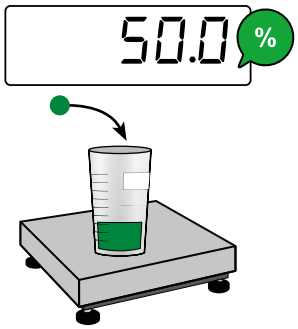
6



7



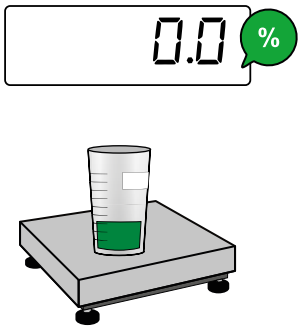
8



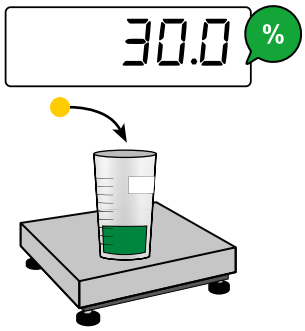
9



10



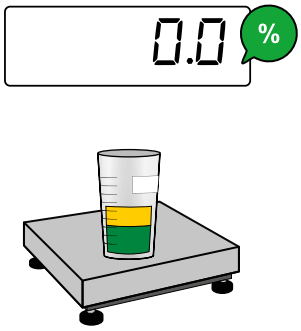
11



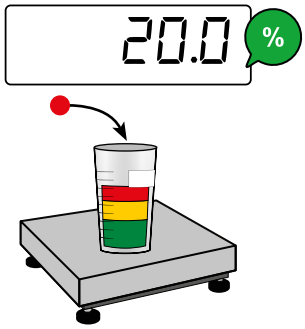
12



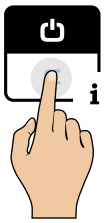
13



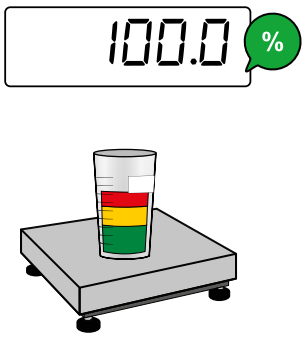
14



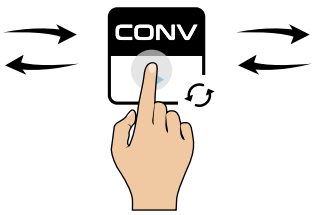
15



16



17



18



HOLD FUNCTION

HOLD 77

ENABLE HOLD FUNCTION 77

HOLD OPERATION 78

RESET HOLD 79

HOLD

The Hold function displays a user selected weight until it is canceled or the indicator is powered off.

NOTE: Weight data can be automaticaly sent to a connected computer when it is stabile. Set the serial port Mode to Stable paramater. For more information, see the DFWX and DFWXS Tecnical Manual.

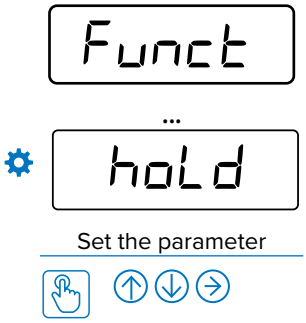
ENABLE HOLD FUNCTION

1



4 sec

2



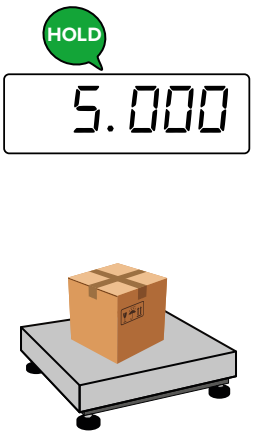
3



HOLD OPERATION

NOTE: The HOLD annunciator displays when Hold mode is enabled, and flashes when the function is active. In addition, hold resets if the indicator is powered off: When the weight is held the display illuminates green.

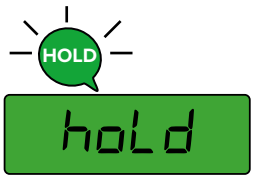
1



2



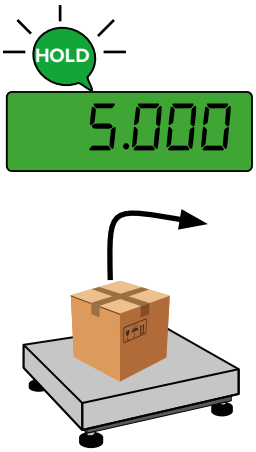
3



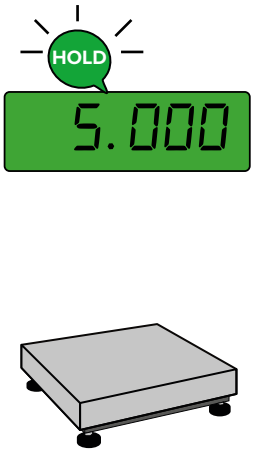
4



5



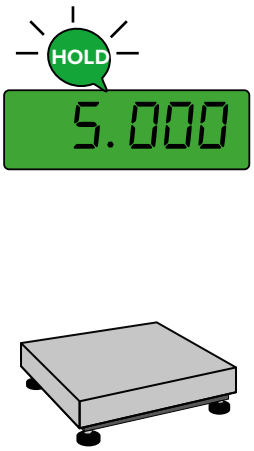
6



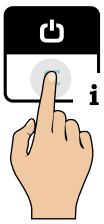
RESET HOLD

NOTE: Hold resets if the indicator is powered off.

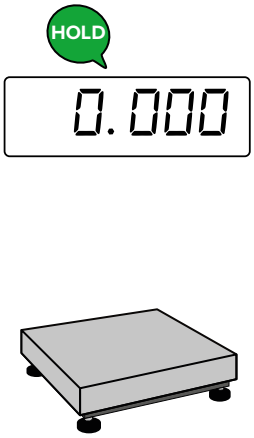
1



2



3



ANIMAL WEIGHING

INTRODUCTION 81

ENABLE ANIMAL WEIGHING 81

ANIMAL WEIGHING 82

ANIMAL WEIGHING COMBINED WITH HOLD FUNCTION 83

INTRODUCTION

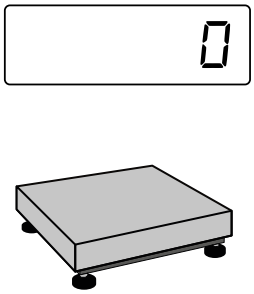
The indicator provides a special filter for weighing animals. The filter provides a modified hold function that will momentarily hold animals weight. Fore advanced operation, the animal Filter can be combined with any Function mode.

NOTE: Weight data can be automaticaly sent to a connected computer when it is stabile. Set the serial port Mode to Stable paramater. For more information, see the DFWXS Tecnical Manual.

NOTE: For information about animal confiugrable parmaeters, see **115.**

ENABLE ANIMAL WEIGHING

1

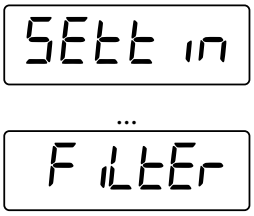


2



4 sec

3



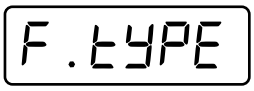
Set the parameter



4



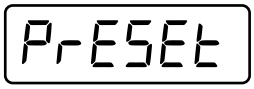
5



6



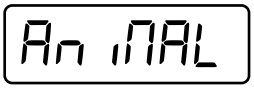
7



8



9

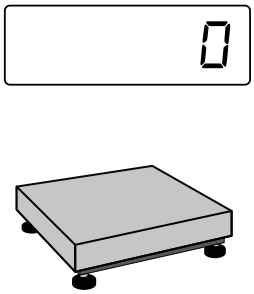


10 Exit User menu and save (see page 95).

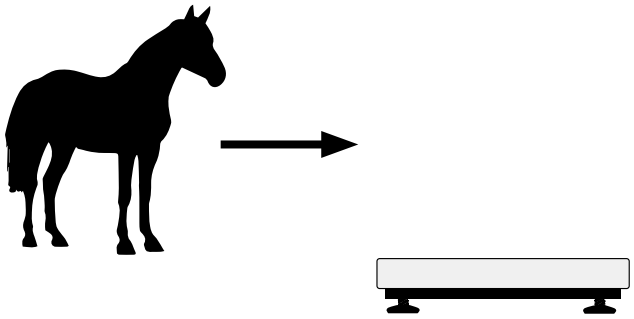
ANIMAL WEIGHING

NOTE: When an animals' weight is held, the display illuminates green.

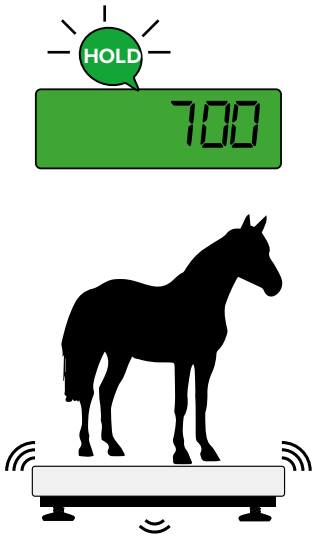
1



2



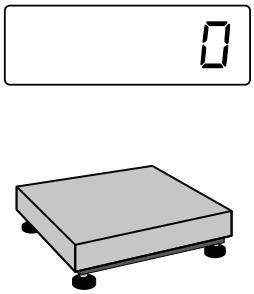
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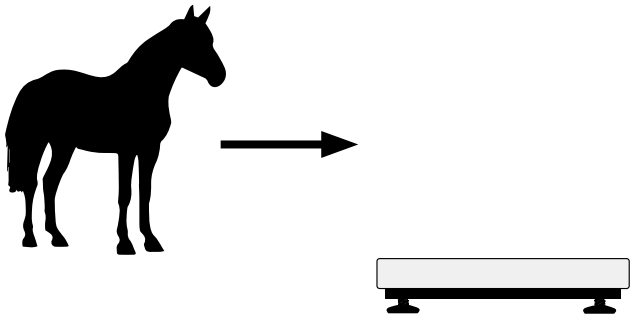
ANIMAL WEIGHING COMBINED WITH HOLD FUNCTION

The animal weighing function can be combined with the HOLD function to provide an additional manual hold function.
For information about the *hoLd* function, see (page **76**).

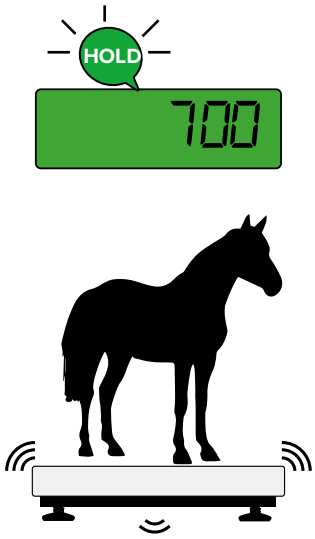
1



2



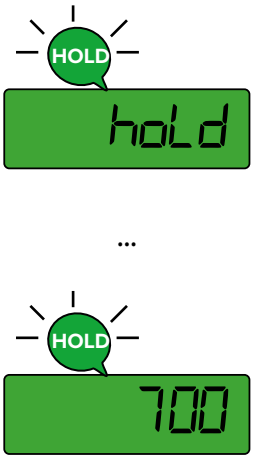
3



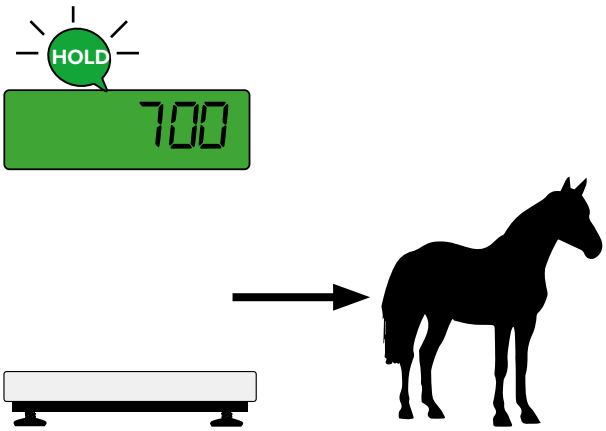
4



5



6



WEIGHT CONVERSION

INTRODUCTION 85

WEIGHT CONVERSION FUNCTION 85

INTRODUCTION

The conversion function converts the current weight to a configured weight.

Conversion Rules:

- The secondary unit is printed as follow:
  - kg ▶ lb
  - kg ▶ Newton
  - t ▶ Kilonewton
  - Free factor ▶ 0.000
- If the indicator is legal for trade, the secondary unit (-b, N, *) is only shown for 5 seconds.
- If free factor = 1.00000, when **MODE** key is pressed, the icon of the primary unit blinks but no conversion is performed.
- If free factor = 0.00000, when **MODE** key is pressed, the display shows "Er .FACt".

NOTE: The force is measured in weight (g, kg, lb, t) or newtons (N, kN).
Number of decimals (page 107) and division is configurable (page 108).

WEIGHT CONVERSION FUNCTION

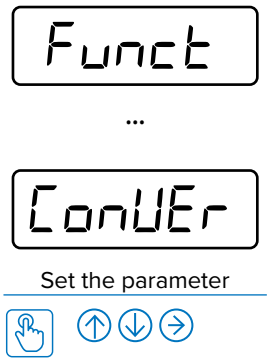
Enable Conversion Function

1



4 sec

2

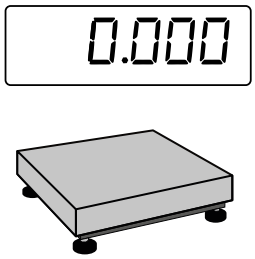


3

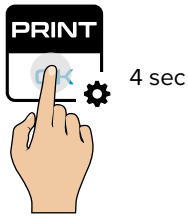


Configure Conversion Unit of Measure

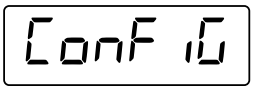
1



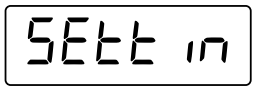
2



3



4



Set the parameter



5



6



7



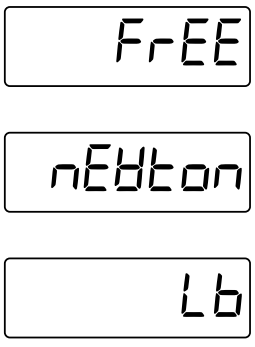
8



9



10



Set the unit of measurement



11

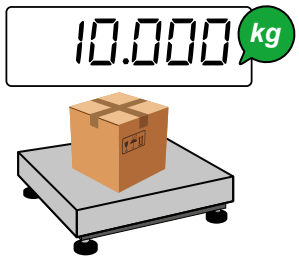


12

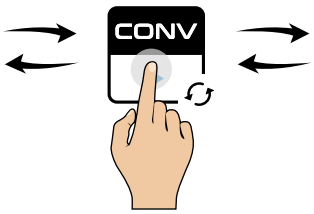
Exit User menu and save (see page 95).

Operation

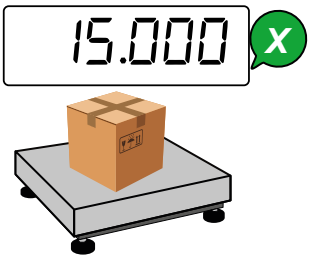
1



2



3

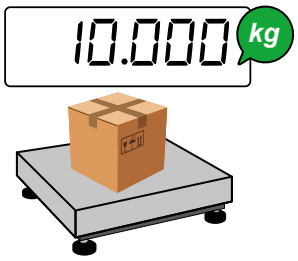


*Free conversion units are shown as *, while other conversion units use standard units of measure (kg, kN, lb, N, t).*

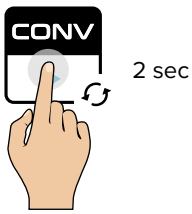
Configure Free Weight Configuration Parameters

The free weight conversion is calculated by multiplying the measured weight with by a user configured value.

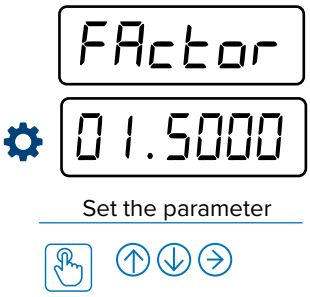
1



2



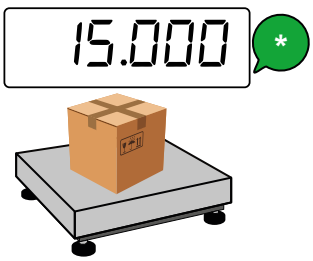
3



4



5



PEAK FUNCTION

PEAK 89

ENABLE PEAK FUNCTION 89

PEAK

The Peak function only displays the heaviest measured weight.

NOTE: The peak is measured in weight (g, kg, lb, t) or newtons (N, kN) (page 107). Number of decimals (page 107) and division is configurable (page 108).

NOTE: Weight data can be automaticaly sent to a connected computer when it is stabile. Set the serial port Mode to Stable paramater. For more information, see the DFWXS technical manual.

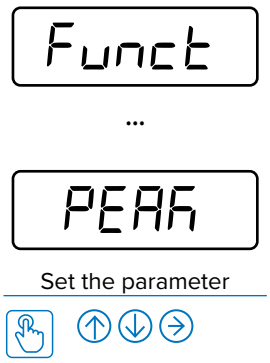
ENABLE PEAK FUNCTION

1



4 sec

2



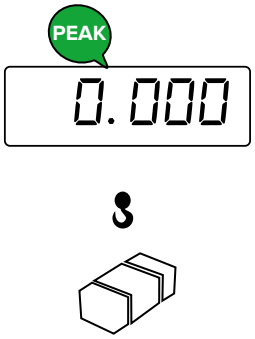
3



Peak Function Operation

NOTE: When a peak is detected, the display illuminates green. Peak is lost if indicator is powered off.

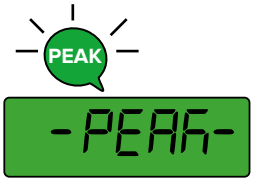
1



2



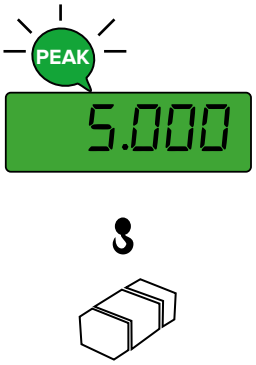
3



4



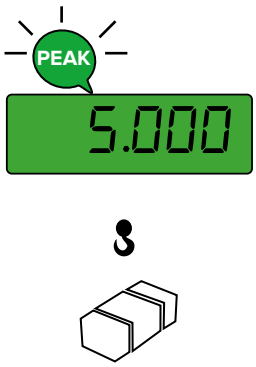
5



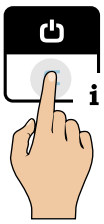
Reset Peak Function

NOTE: Also resets if indicator is powered off.

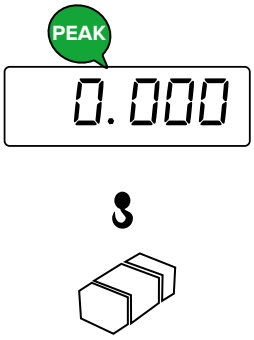
1



2



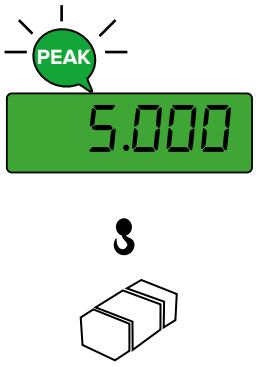
3



Disable Peak Function

NOTE: Also resets if indicator is powered off.

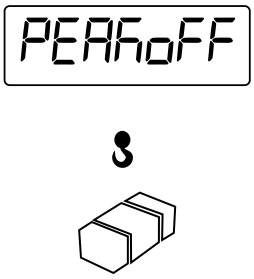
1



2



3



METROLOGICAL INFORMATION

INTRODUCTION 93

SERIAL NUMBER 93

METROLOGICAL FIRMWARE 93

INFORMATION 93

IDENTIFICATION OF METROLOGICAL SOFTWARE 94

INTRODUCTION

THE DFWXS is an indicator can be approved for legal for trade applications.

SERIAL NUMBER

The SN identifies the instrument. If the instrument is part of a system with one or more platforms, the SN identifies the whole system. The serial number is located on the product label attached to the rear cover of the indicator.

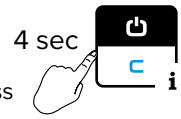


METROLOGICAL FIRMWARE

The metrological firmware is indicated on the Evaluation Certificate.

The indicator shows the metrological firmware as the first value during slow start-up (pressing **ZERO** during start-up).

INFORMATION

Press 

to see metrological information of the scale.

For each weighing range (W1, W2, W3) the display shows:

- Capacity (Max)
- Min (Min)
- Division (e)

NOTE: The display shows “e”, instead of “d”, even if the indicator is not legal for trade.

NOTE: The following illustration is an example, actual values vary.

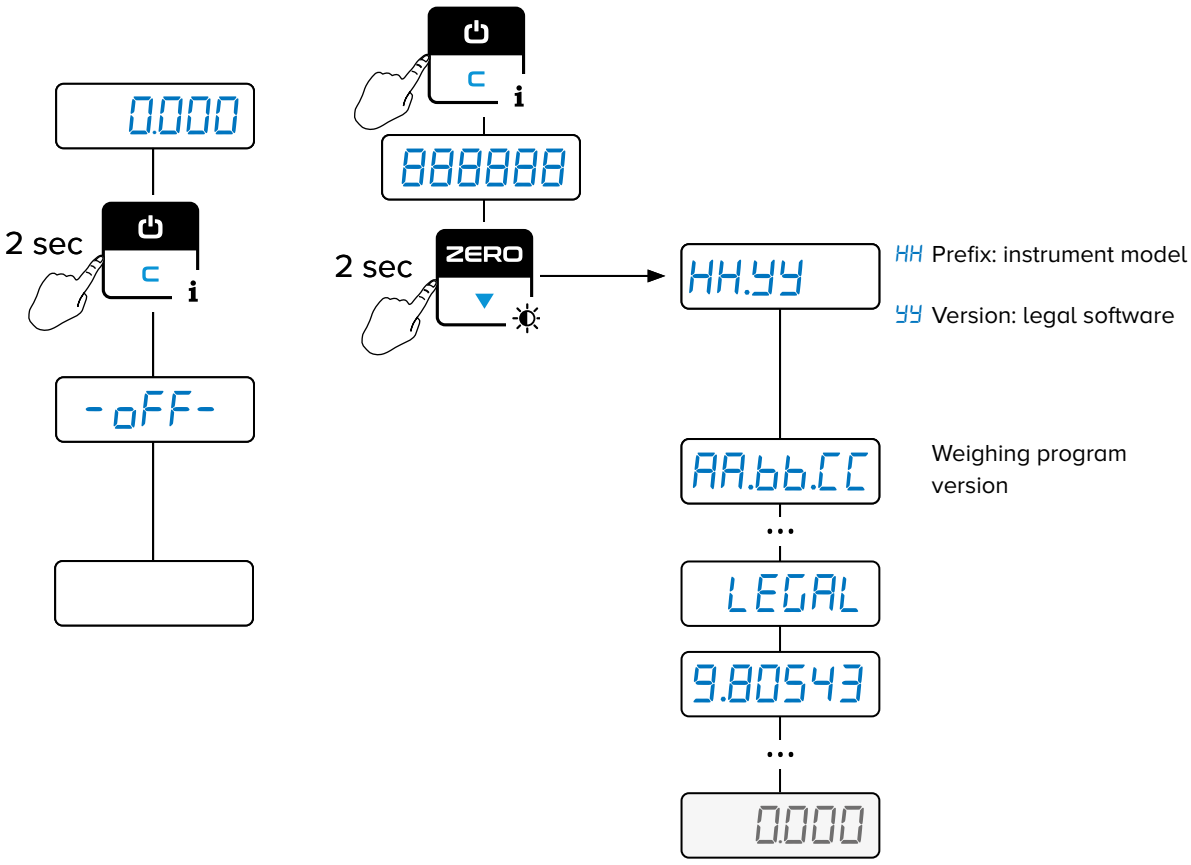


IDENTIFICATION OF METROLOGICAL SOFTWARE

View Metrological Information

1. Turn off the scale

2. Follow the procedure:



Item	Description
HH.YY	xx = Prefix: instrument model yy = Version: legal software
AA.bb.CC	Weighing program version
dFWXS	Product name
-I- 1.10	Hardware identification (for manufacturer purposes)
HHHHH.H	Calibration parameters: Capacity and resolution
hirES or LEGAL	Hires = internal use configuration Legal = legal for trade configuration
9.HHHHHH	Gravity acceleration value in use

CONFIGURATION MENU

SEtt in - SETTINGS 98

ChECh - CHECK WEIGH MODE 98

tYPE- TYPE OF CHECK WEIGH MODE 98

C.ModE - CHECK MODE 99

ChK.MSG - CHECK MESSAGE 99

bEEP - CHECK WEIGH MODE BEEP 100

thrESh - CHECK WEIGH MODE THRESHOLD 100

C.undEr - COLOR UNDER 101

C.oK - COLOR OK 101

C.oUEr - COLOR OVER 101

oKunS - OK UNSTABLE 101

tH.toL - TRANSMISSION IN TOLERANCE 102

Prn.toL - PRINT TOLERANCE 102

totAL - TOTALIZATION 103

tot.tYP - TOTALIZATION TYPE 103

M in.WGt - MINIMUM WEIGHT 103

MAX.tot - MAXIMUM TOTALIZATION 103

tot.Mod - TOTALIZATION MODE 104

n.bE iGh - SHOW TOTALIZATION WEIGH NUMBER 104

Fr2.tot - FREEZE TOTAL 104

bA it.St - WAIT STABILITY 105

CPS.tAr - COMPULSORY TARE 105

Count - COUNTING MODE 106

uM.APW - UNIT OF MEASURE AVERAGE PIECE COUNT WEIGHT 106

bA it.t - WAIT TIME SAMPLING 106

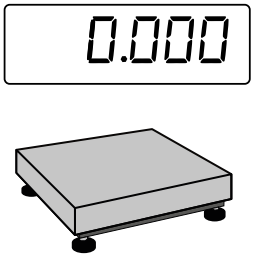
PEAK - PEAK 107

nEWton - NEWTON UNIT OF MEASURE 107

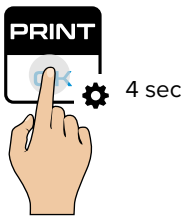
dEc.2 - DECIMAL CONFIGURATION NEWTONS (ONLY IF NEWTON = YES) 107
d iU.2 - DIVISION CONFIGURATION NEWTONS (ONLY IF NEWTON =YES) 108
ConUEr - Conversion 109
dEc.2 - DECIMAL QUANTITY FOR CONVERSION 109
d iU.2 - DIVISIONS FOR CONVERSION 110
un it - UNITS OF MEASURE FOR CONVERSION 110
PErC - Percentage 111
WA it.t - WAIT TIME SAMPLING 111
En.SAUE - ENERGY SAVE 112
SCrEEn - ADJUSTING THE DISPLAY 112
CoLour - COLOUR 113
dSP.rF - DISPLAY REFRESH RATE 114
AutoFF - AUTOMATIC POWER OFF 114
tArE - TARE 121
Aut.tAr - AUTOMATIC TARE 121
CLoCk - DATE AND TIME 122
PrEC. 10 - HIGH RESOLUTION READING DIVISION 122
AL ib i - ALIBI MEMORY READING 123
t ik.rES - TICKET NUMBER RESET 124
SEtPnt - SETPOINT 124
d iAG - DIAGNOSTICS 125

HOW TO ACCES THE CONFIGURATION MENU

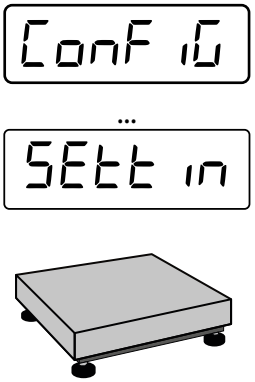
1



2

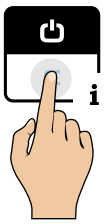


3



HOW TO EXIT AND SAVE CONFIGURATION MENU CHANGES

1



Press ⊏ until *SAVE?* displays.

2



3



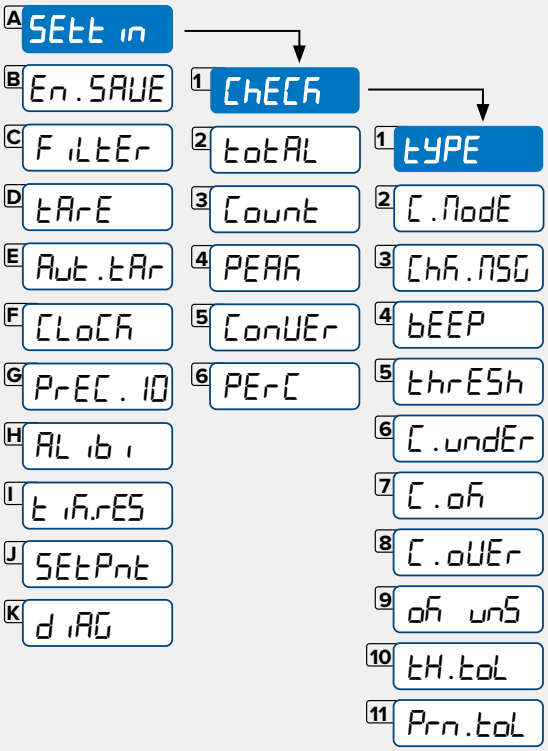
MENU

How to enter

OK *5 Sec.*

How to browse

= ▲
= ▼
= OK
= C



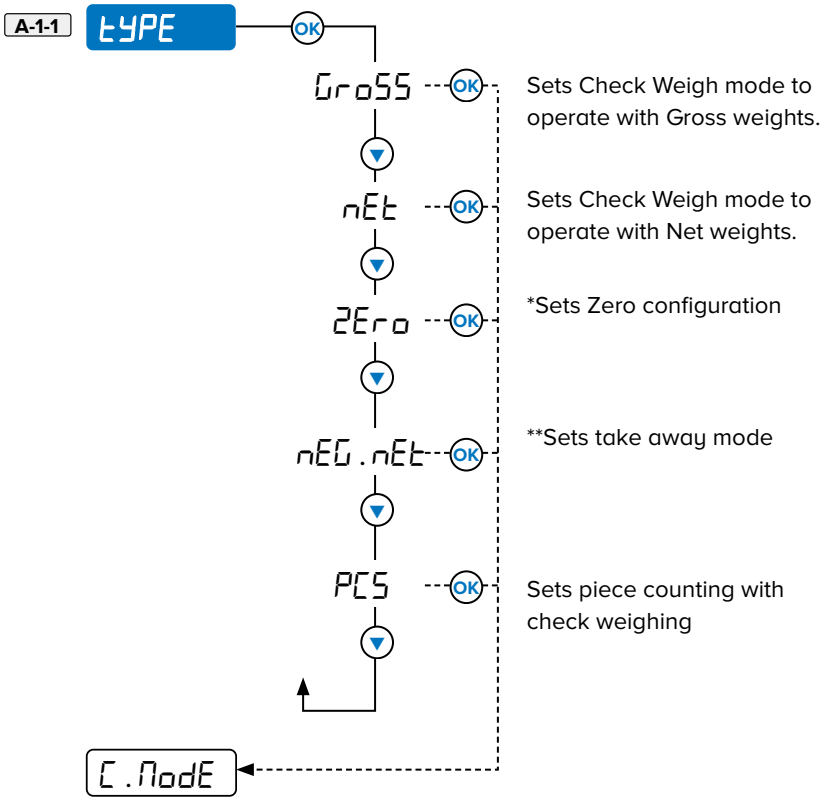
SEtt in - SETTINGS

SEtt in only displays sub-menus for functions selected from the Funct menu (see 22).

CHECK - CHECK WEIGH MODE

tYPE- TYPE OF CHECK WEIGH MODE

Configures the type of Check Weigh mode.



* Places sample weight in tare, and performs a check by comparing the weight with the 0 NET. When a product to verify is put on the scale, the display shows the weight difference in positive or negative values and the check result (under, over or OK). Quickly determines the difference between the original and new object weighed.

** Sets Check Weigh mode to operate in take away mode. Subtracts a quantity from a total amount on the scale.

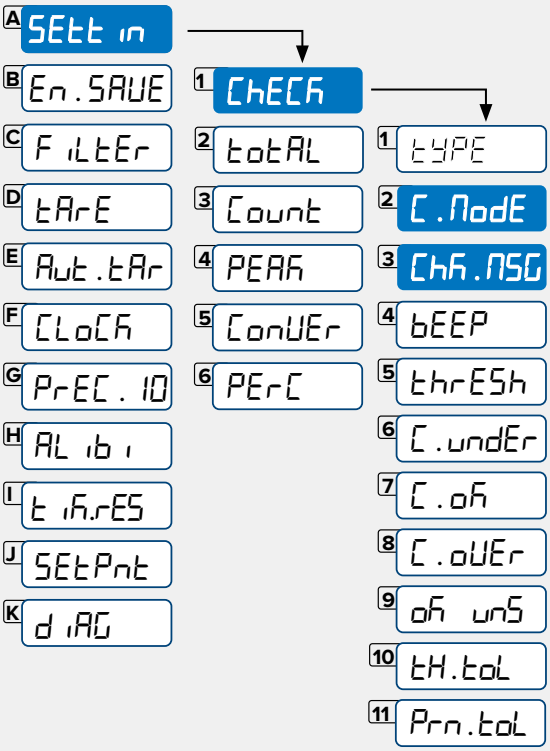
MENU

How to enter

OK *5 Sec.*

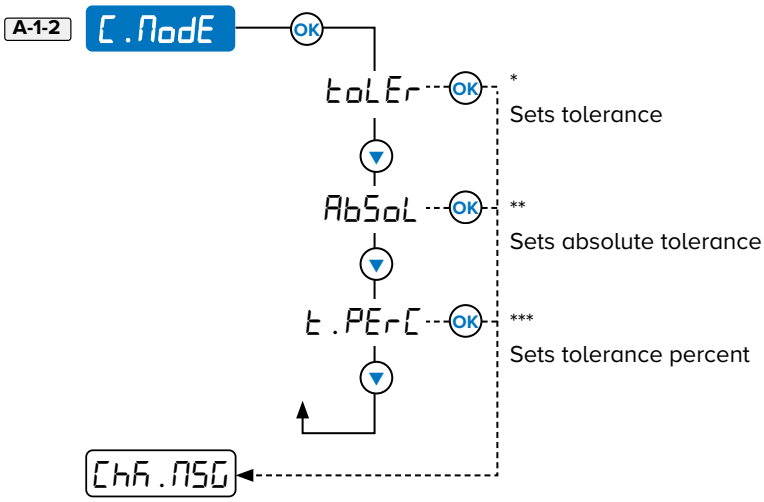
How to browse

↑ = ▲
↓ = ▼
↵ = OK
← = C



C.ModE - CHECK MODE

Configures the check weighing mode threshold tolerance.



* Tolerance is set as +\- weight values referencing a target (for example, 1000 g +\- 10 g or +10 g/-6 g)

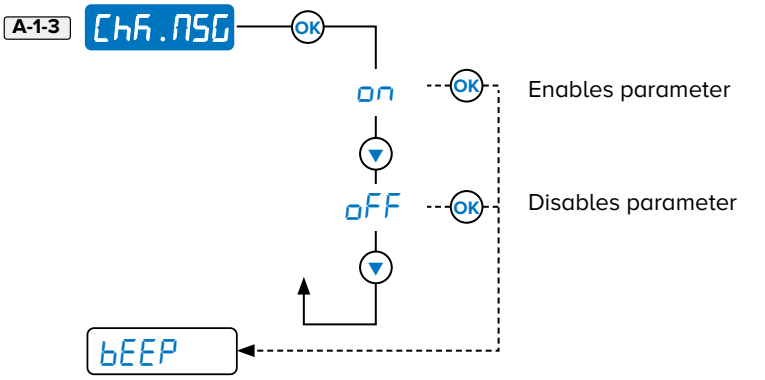
** Absolute Tolerance is set as weight values that limits the range in tolerance (for example, 990 g - 1010 g). .

*** Tolerance percent is set in +\- % of the target (for example, 1000g +\- 0.1% or +0.1/-0.05%)

NOTE: When tYPE is configured as PCS, the tolerance is always set as Absolute and C.ModE is not available.

CHK.MSG - CHECK MESSAGE

Enables/disables check weigh mode messages (for example: _undEr, -oK- or -oUEr)



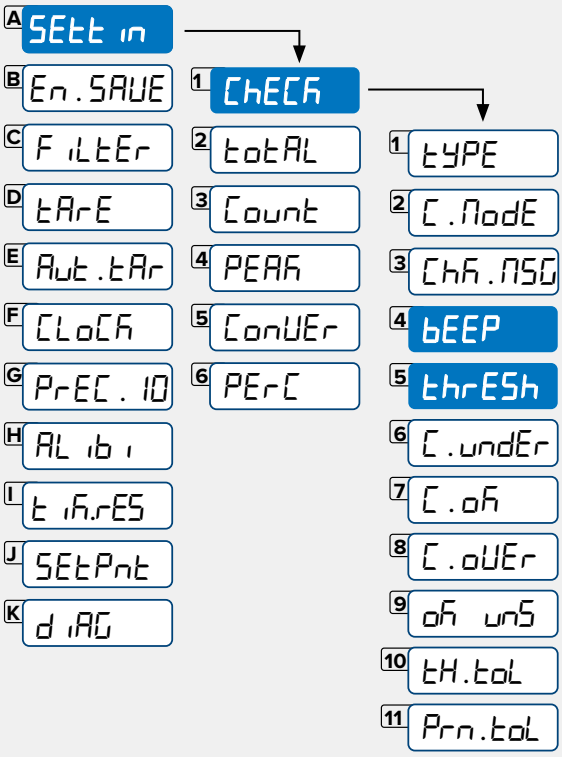
MENU

How to enter

OK *5 Sec.*

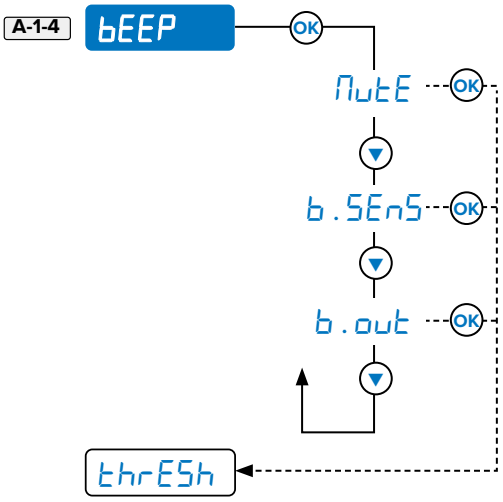
How to browse

= ▲
= ▼
= OK
= C



bEEP - CHECK WEIGH MODE BEEP

Enables acoustic notifications (beep) for the operator specific to check weigh mode.



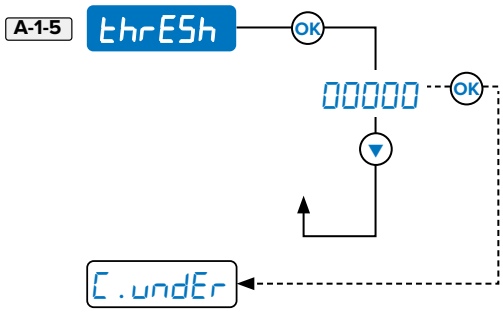
Disables beeps

Beeps emit when the weight approaches the programmed target.

Beeps emits every time the weight exits the acceptable range.

thrESh - CHECK WEIGH MODE THRESHOLD

Activates Check Weigh mode when the weight exceeds the threshold. When the weight is under the threshold, Check Weigh mode is off.



Set as threshold weight in the configured. units
0 = Disabled.

DINI ARGEO Scales - Weighing systems

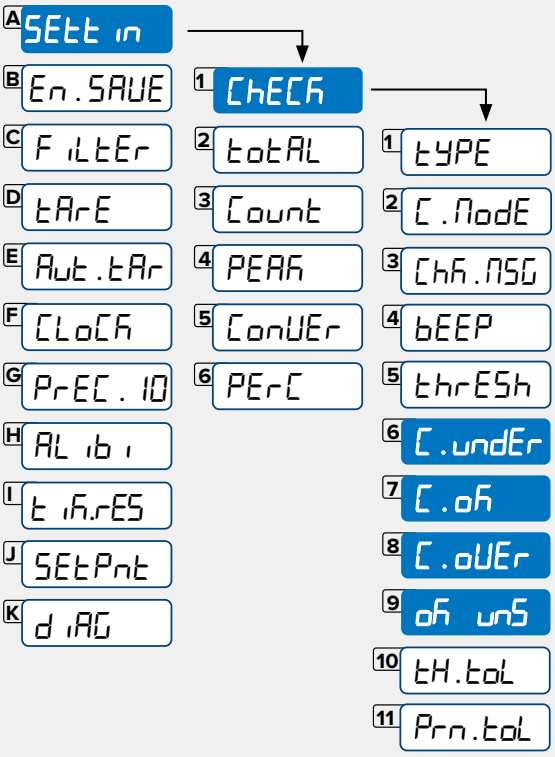
MENU

How to enter

OK *5 Sec.*

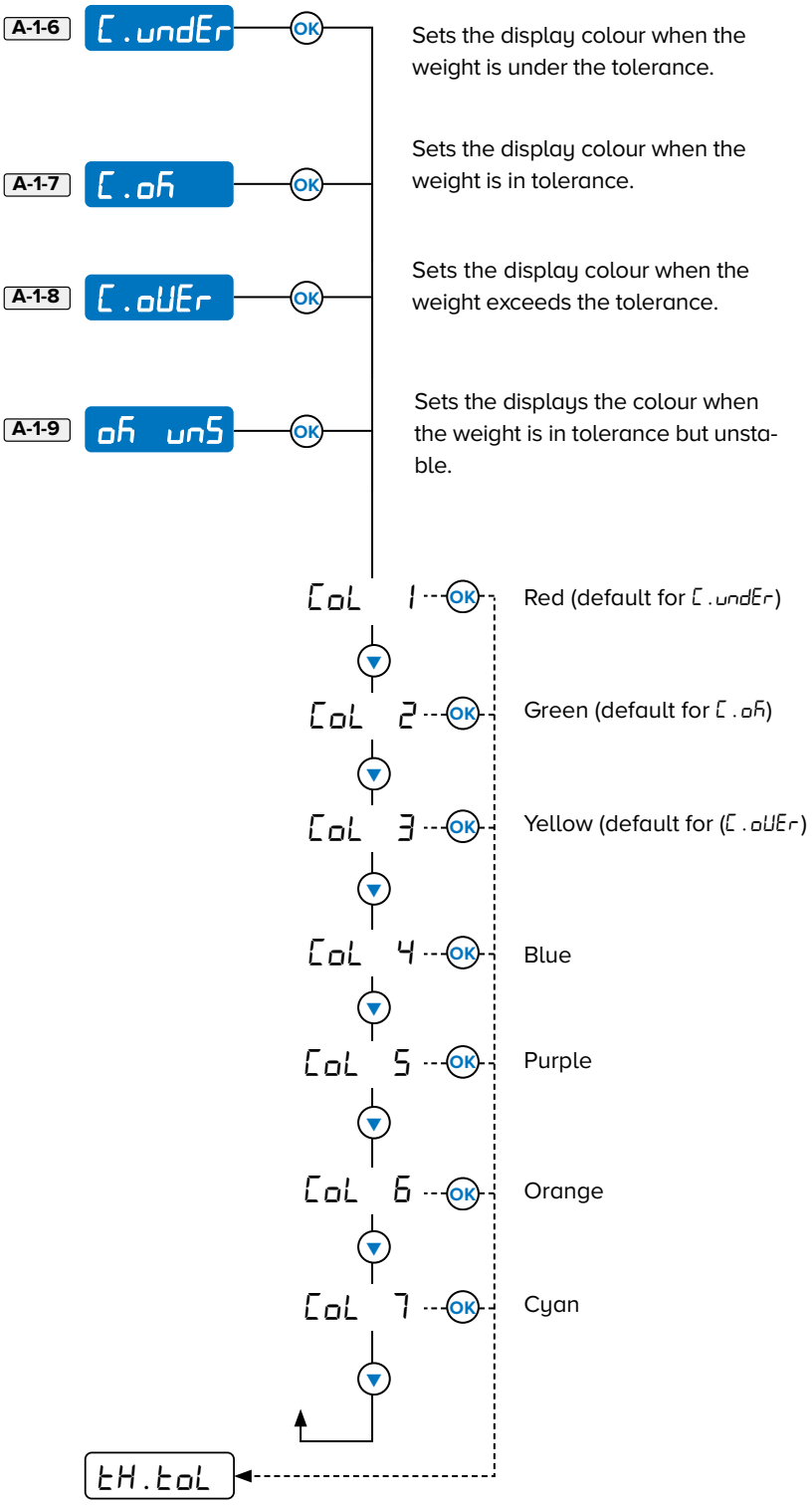
How to browse

↑ = ▲
↓ = ▼
↵ = OK
← = C



C.undEr - COLOR UNDER
C.oK - COLOR OK
C.oUEr - COLOR OVER
oKunS - OK UNSTABLE

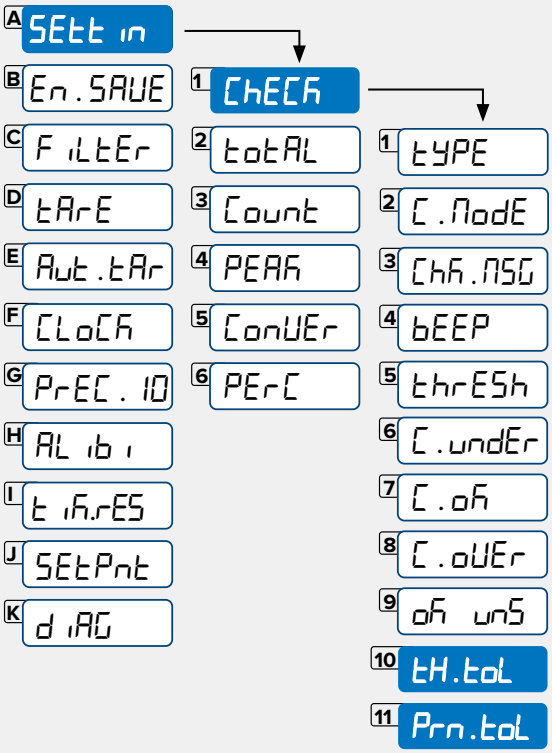
Sets the backlight color depending on the status of the measure weight in relation to the configured sample.



DINI ARGEO
Scales - Weighing systems

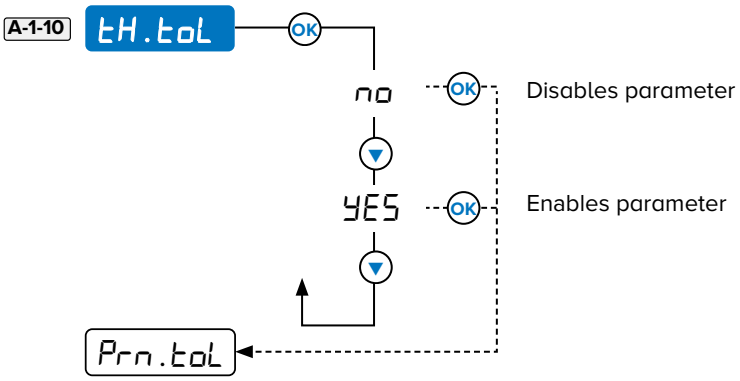
MENU

How to enter	How to browse
OK 5 Sec.	= ▲ = ▼ = OK = C



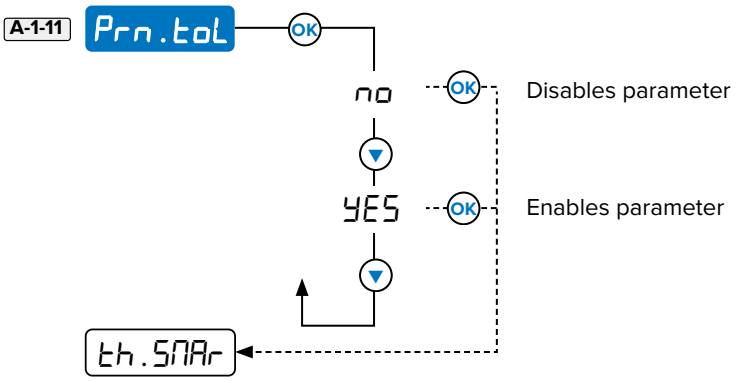
tH.toL - TRANSMISSION IN TOLERANCE

When a serial port Cont in is set as Cont in or StAbLE the string is only sent if the weight is in check weighing tolerance.



Prn.toL - PRINT TOLERANCE

The Print key only functions if the weight is in check weighing tolerance.



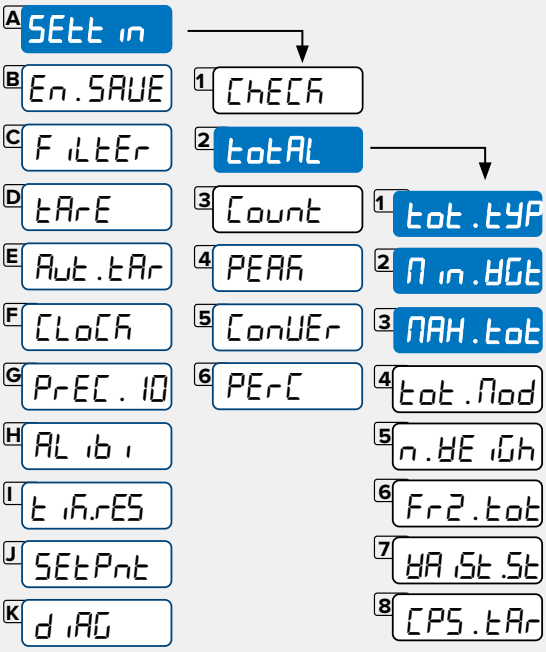
MENU

How to enter

OK *5 Sec.*

How to browse

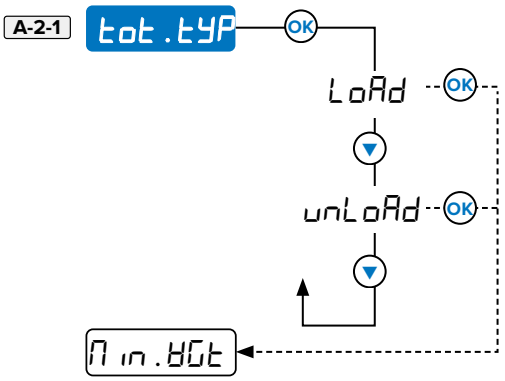
↑ = ▲
↓ = ▼
↵ = OK
← = C



totAL - TOTALIZATION

tot.tYP - TOTALIZATION TYPE

Configures how totalization mode functions.

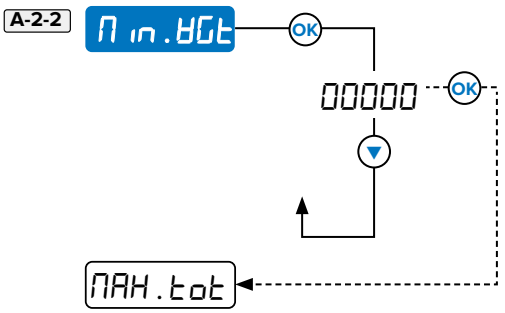


Sets totalisation as weight loading mode.

Sets totalisation as weight unloading mode.

M in.WGt - MINIMUM WEIGHT

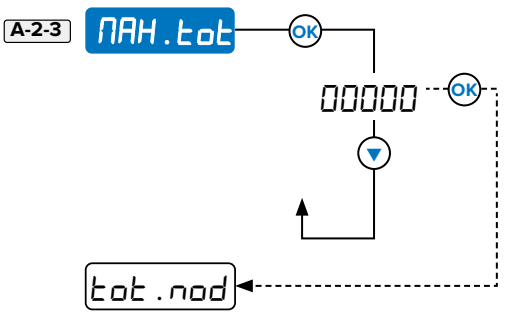
Configures the required minimum weight.



From 0 to 200.
0 = Disabled.

MAX.tot - MAXIMUM TOTALIZATION

Defines the maximum quantity of totalizations that can be summed. After the maximum quantity is exceeded the indicator prints the total and then totalizations restart at 1.



From 0 to 200.
0 = Disabled.

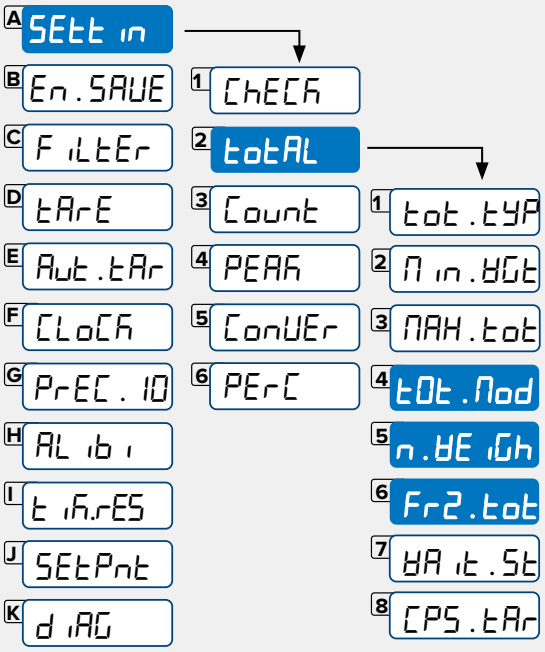
MENU

How to enter

OK *5 Sec.*

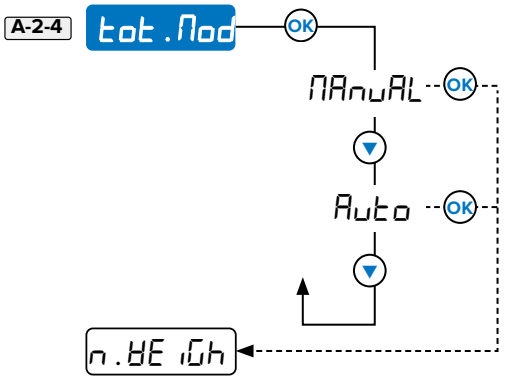
How to browse

↑ = ▲
↓ = ▼
↵ = OK
← = C



tot.Mod - TOTALIZATION MODE

Configures how weighments are added to the totalization value.

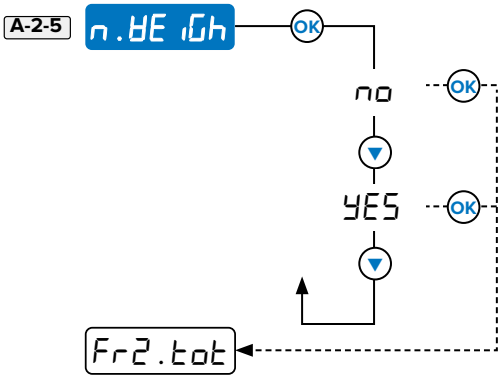


Press **M+** to add a weight to the total.

Automatically adds the weight when it is stable and within target.

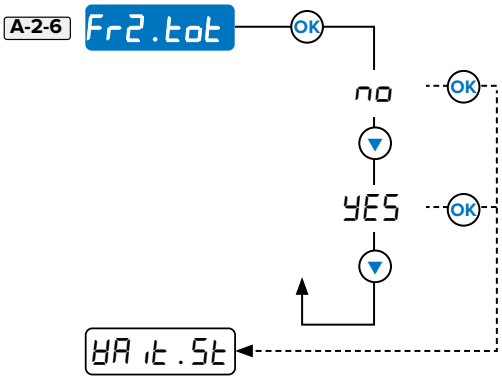
n.WE iGh - SHOW TOTALIZATION WEIGH NUMBER

Displays the weighment number and totalized weight after each totalization (for example, totAL, n 1, 10.500 g).



Fr2.tot - FREEZE TOTAL

Displays the total weight at the end of totalization. Press any button to remove the weight.



DINI ARGEO Scales - Weighing systems

MENU

How to enter

OK *5 Sec.*

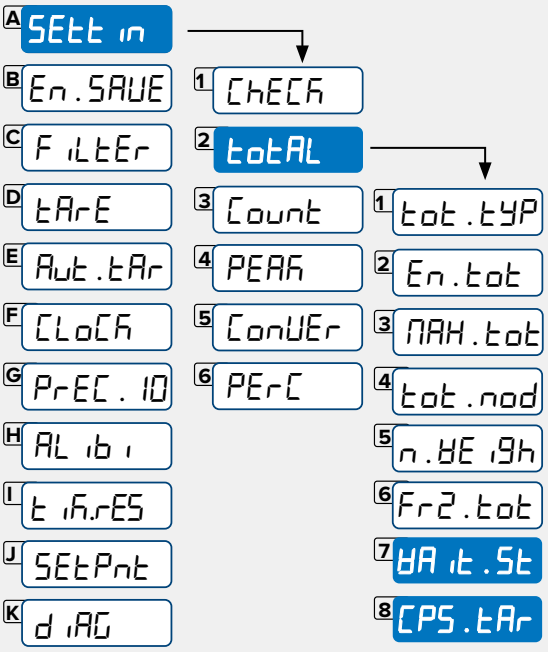
How to browse

= ▲

= ▼

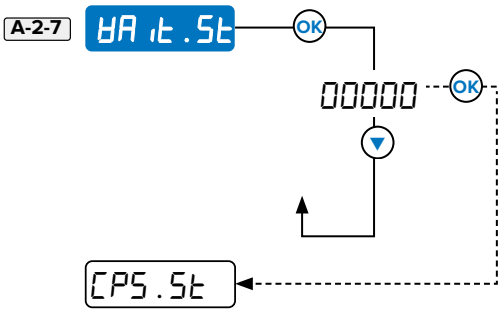
= OK

= C



dA it.St - WAIT STABILITY

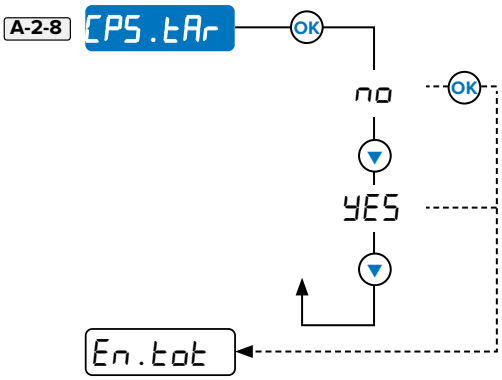
Configures waiting time for weight stabilization. Increasing the value is helpful for units or objects that require additional time to stabilize. For example, pressing column unit buttons may cause brief instability.



Set from 0 to 255 seconds.
0 = Disabled.

CPS.tAr - COMPULSORY TARE

Configures the indicator to require a tare in order add weight to totalize.



Disables parameter

Enables parameter

MENU

How to enter

OK *5 Sec.*

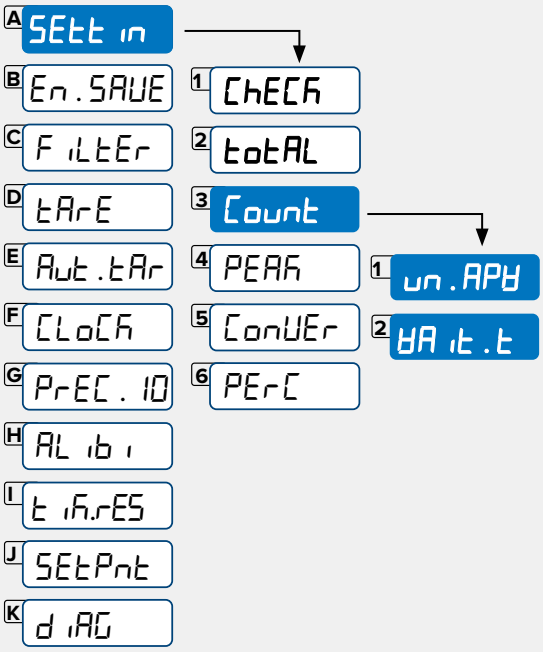
How to browse

= ▲

= ▼

= OK

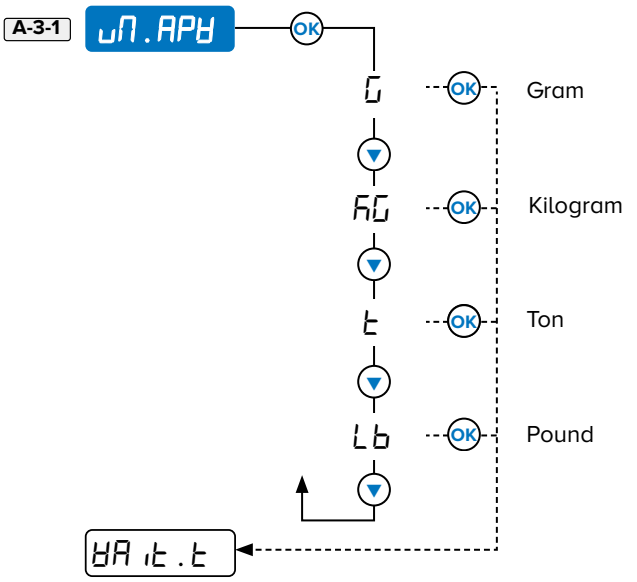
= C



Count - COUNTING MODE

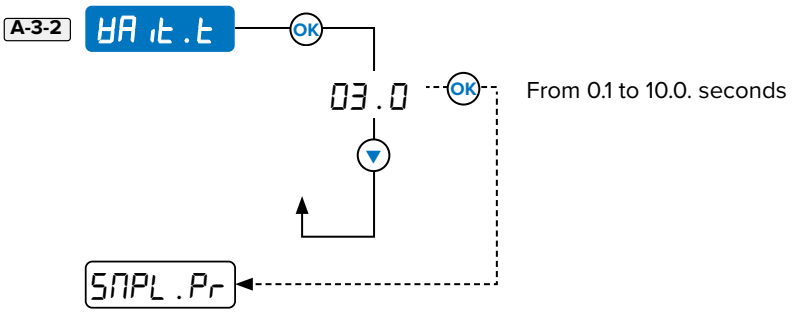
un.APU - UNIT OF MEASURE AVERAGE PIECE COUNT WEIGHT

Sets Unit of measurement of the average piece weight (PMU).



UA it.t - WAIT TIME SAMPLING

Configures the desired sampling time. When the time is increased, the sample acquisition precision increases.



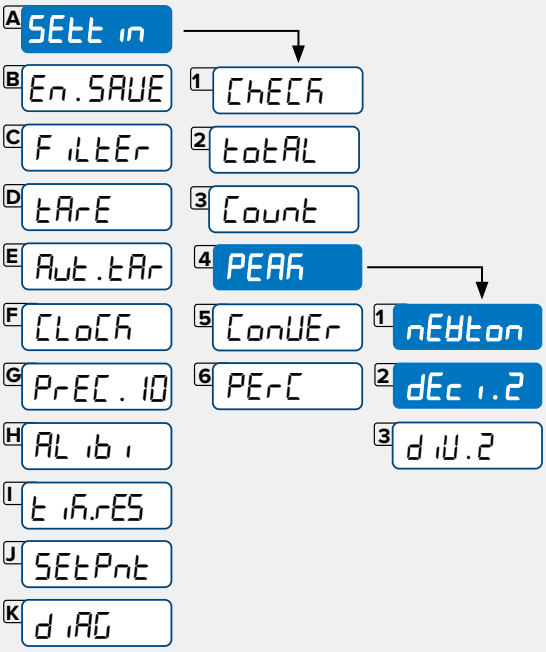
MENU

How to enter

OK *5 Sec.*

How to browse

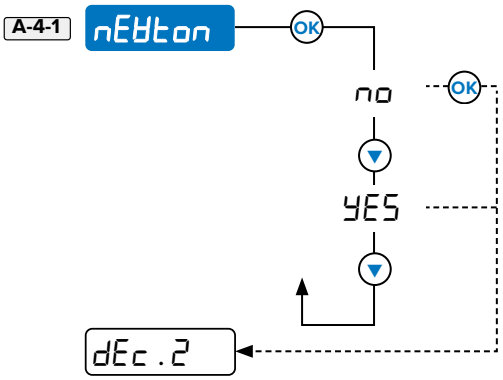
= ▲
= ▼
= OK
= C



PEAK - PEAK

nEWton - NEWTON UNIT OF MEASURE

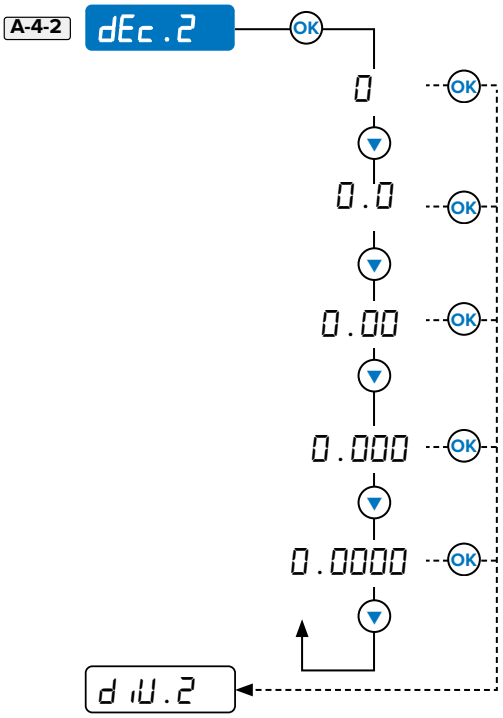
Enable if peak detection is kg or N.



dEc.2 - DECIMAL CONFIGURATION NEWTONS (ONLY IF NEWTON = YES)

Only visible if nEWton = YES.

Configures decimals quantity for Newton detection.



DINI ARGEO Scales - Weighing systems

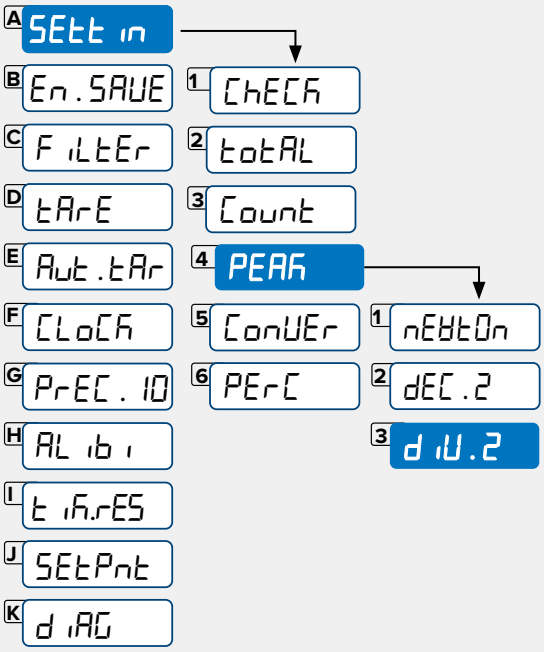
MENU

How to enter

OK *5 Sec.*

How to browse

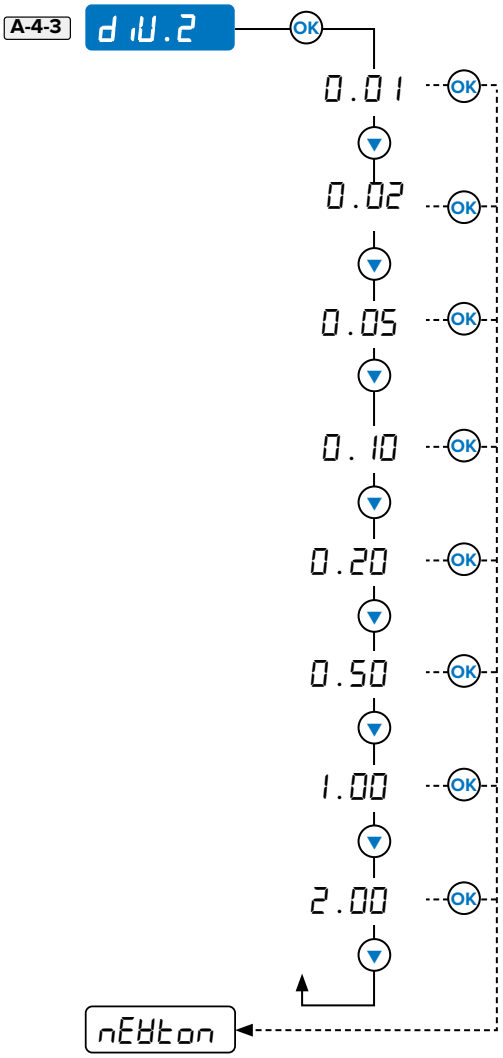
= ▲
= ▼
= OK
= C



diU.2 - DIVISION CONFIGURATION NEWTONS (ONLY IF NEWTON =YES)

Only visible if nEWtOn = YES.

Configures divisions for Newton detection.



DINI ARGEO
Scales - Weighing systems

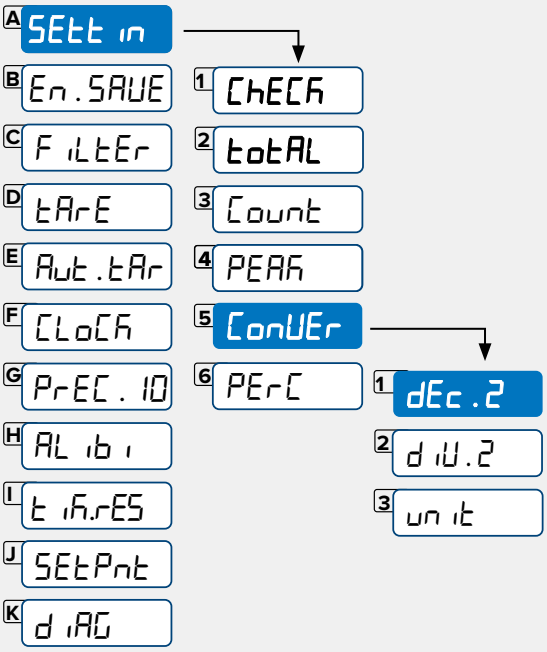
MENU

How to enter

OK *5 Sec.*

How to browse

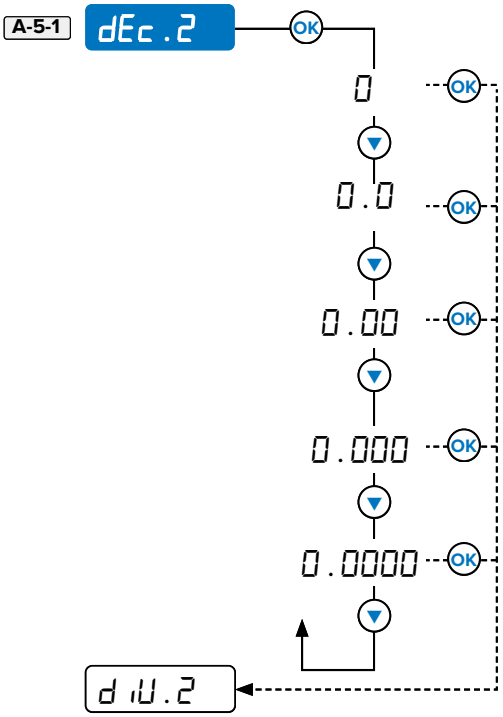
↑ = ▲
↓ = ▼
↵ = OK
← = C



ConUEr - Conversion

dEc.2 - DECIMAL QUANTITY FOR CONVERSION

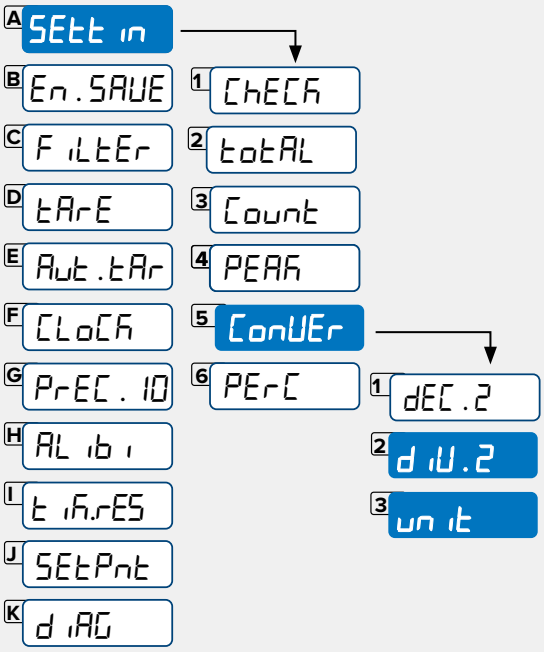
Configures decimals quantity for conversion.



DINI ARGEO Scales - Weighing systems

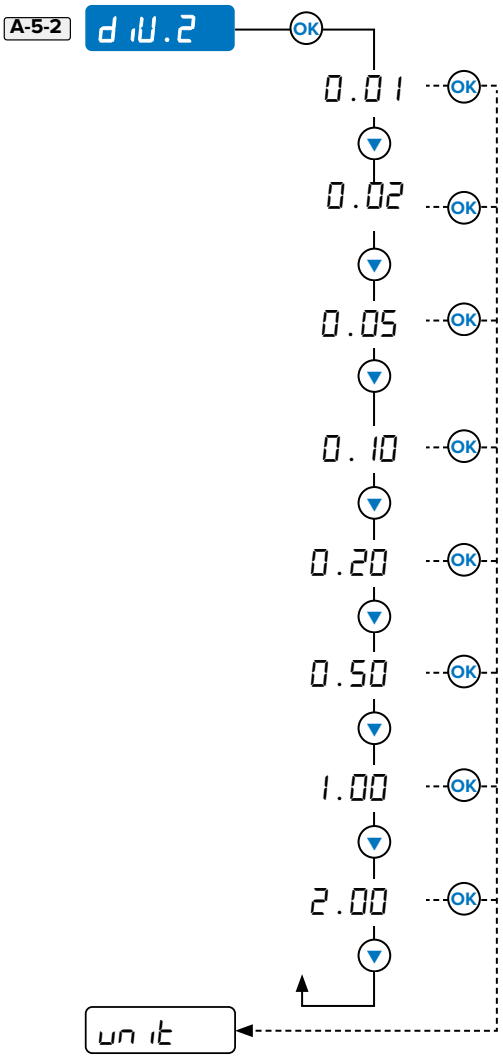
MENU

How to enter	How to browse
OK 5 Sec.	↑ = ▲ ↓ = ▼ ↵ = OK ← = C



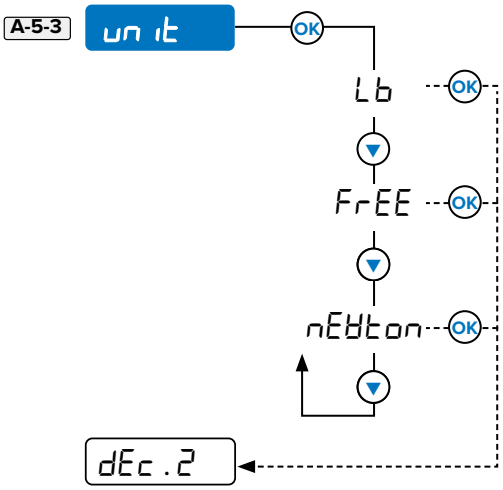
diU.2 - DIVISIONS FOR CONVERSION

Configures the divisions for the conversion



un it - UNITS OF MEASURE FOR CONVERSION

Configures the units of measure for the conversion.



Pounds

Enables factor configuration in the Funct menu (page 84)

Newton/Kilonewton

DINI ARGEO Scales - Weighing systems

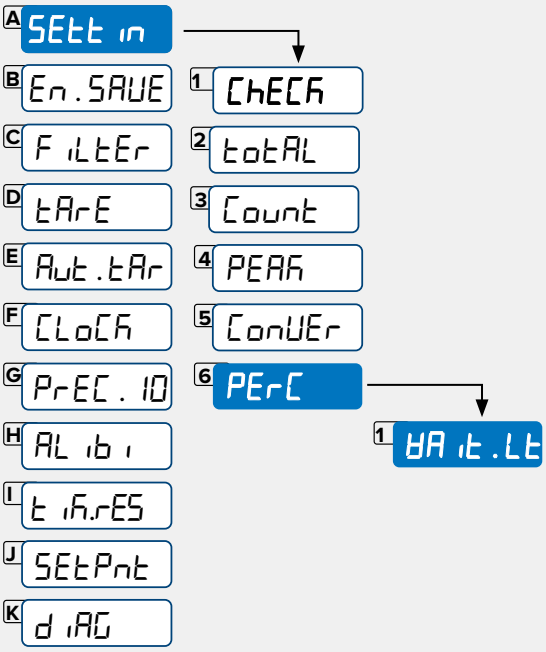
MENU

How to enter

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How to browse

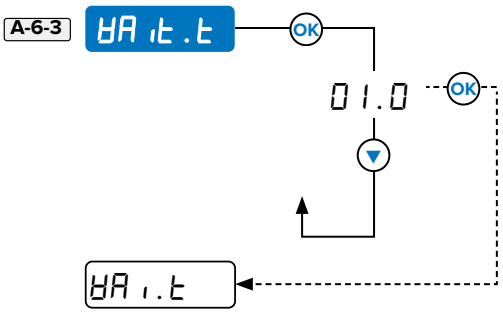
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PErC - Percentage

UA it.t - WAIT TIME SAMPLING

Configures the desired sampling time. When the time is increased, the sample acquisition precision increases.



From 0.1 to 10.0. seconds

DINI ARGEO Scales - Weighing systems

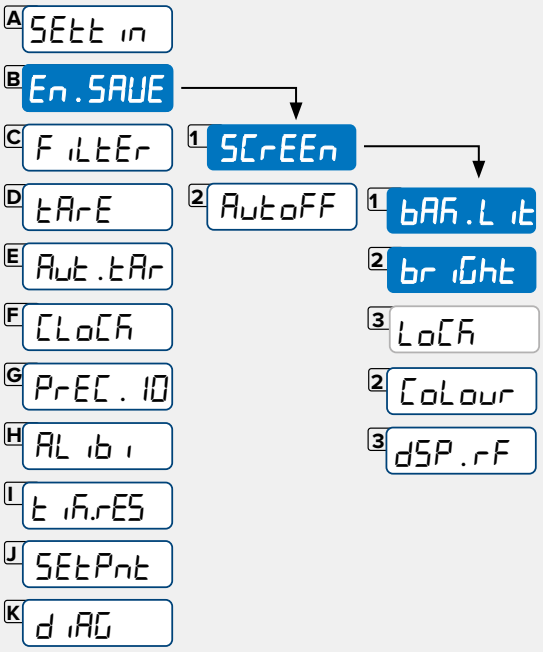
MENU

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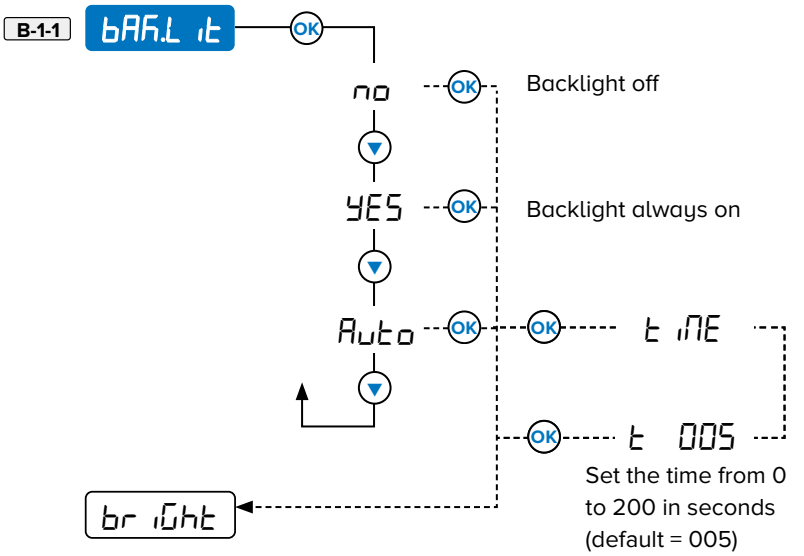
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En.SAUE - ENERGY SAVE

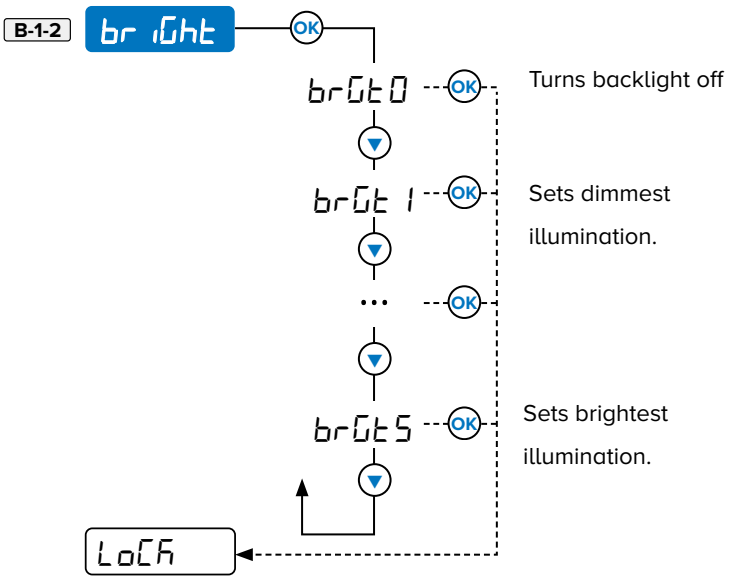
SCrEEn - ADJUSTING THE DISPLAY

bAK.Lit - BACKLIGHT



The backlight turns off after the set time of inactivity.

br iGht - BRIGHTNESS



DINI ARGEO Scales - Weighing systems

MENU

How to enter

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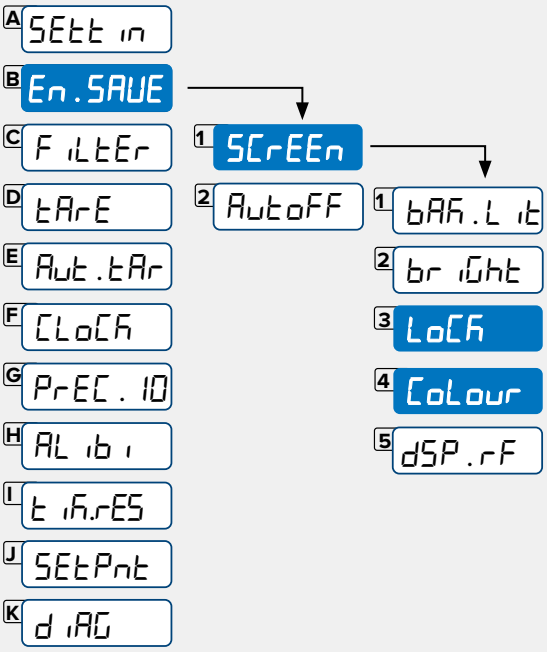
How to browse

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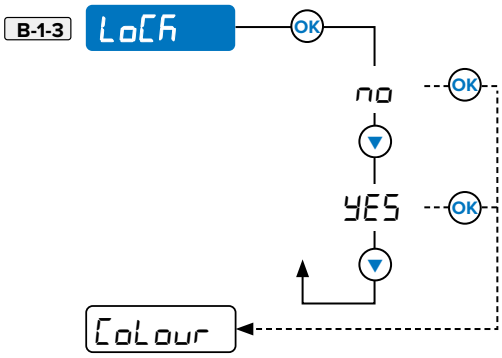
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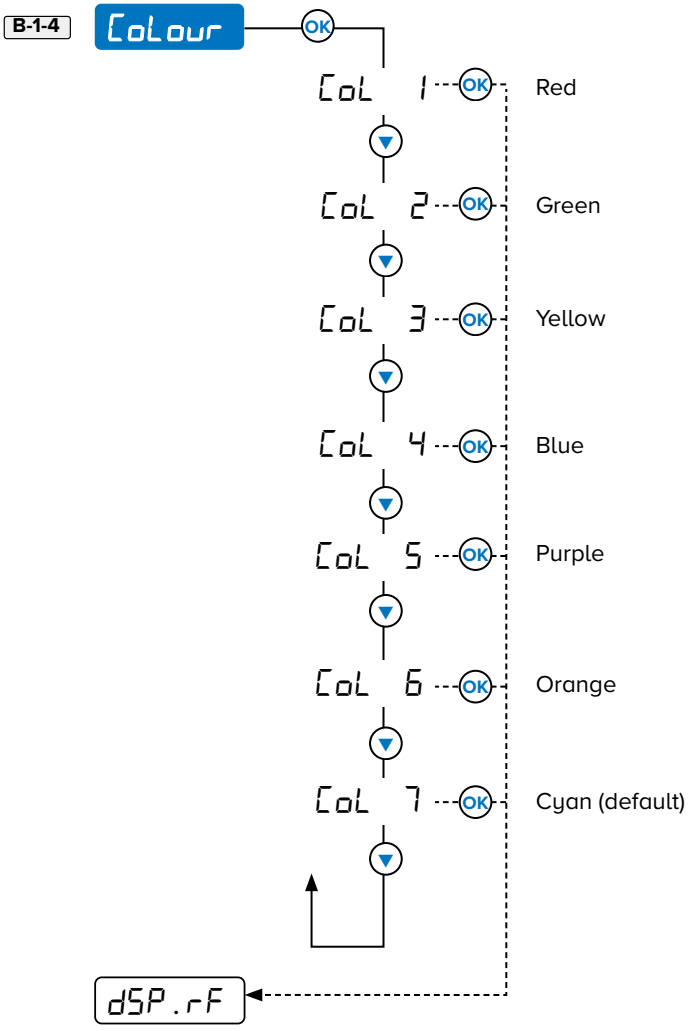


LoCA - DISPLAY LOCK (for manufacturer use)



CoLour - COLOUR

Configures the backlight to display a specific colour.



DINI ARGEO Scales - Weighing systems

MENU

How to enter

OK *5 Sec.*

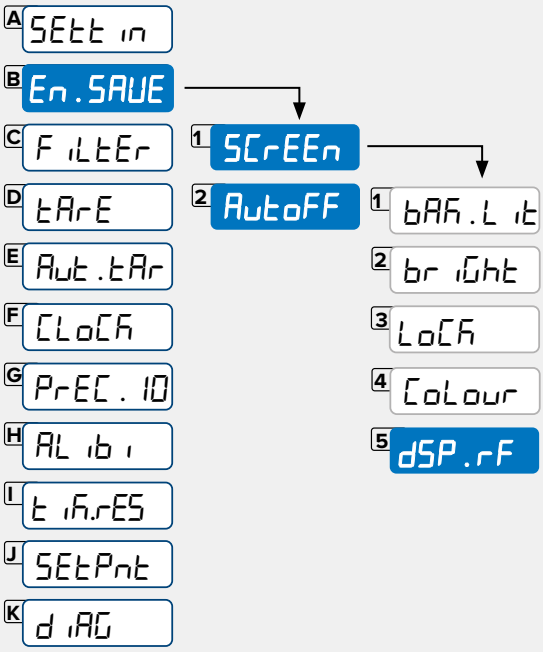
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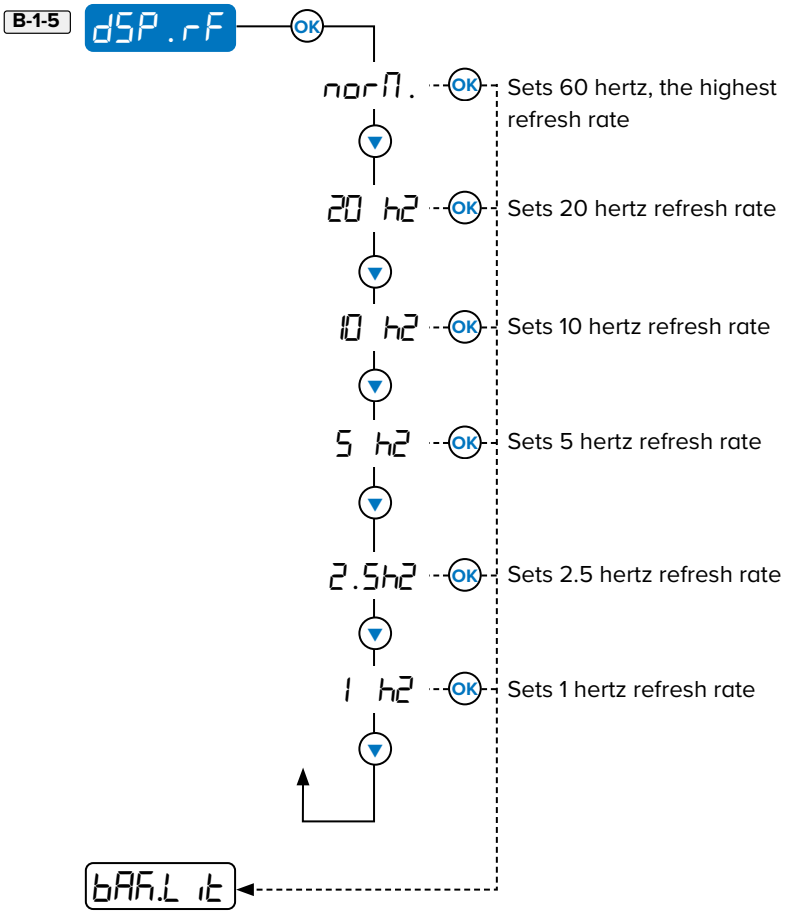
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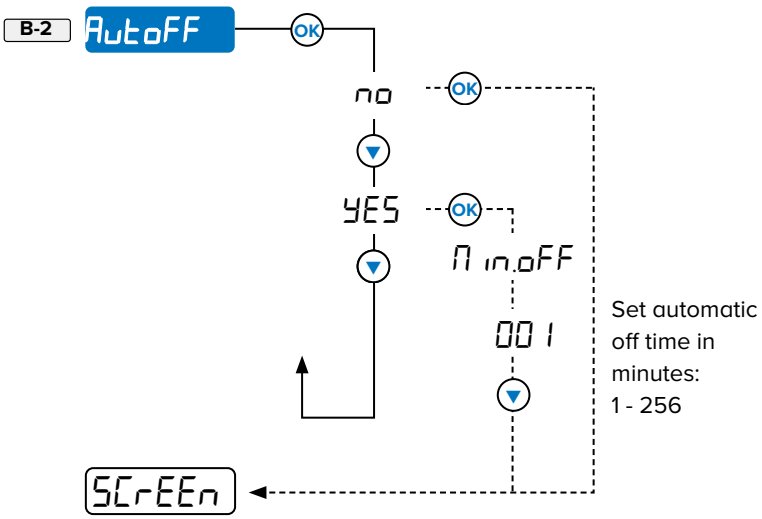
dSP.rF - DISPLAY REFRESH RATE

Configures the refresh rate of the display. Changing the refresh rate from the default parameter causes the display to update more slowly, and consequently changes the frequency when the screen characters refresh.



AutoFF - AUTOMATIC POWER OFF

Automatically turns off the DFWXS at the configured inactivity time..



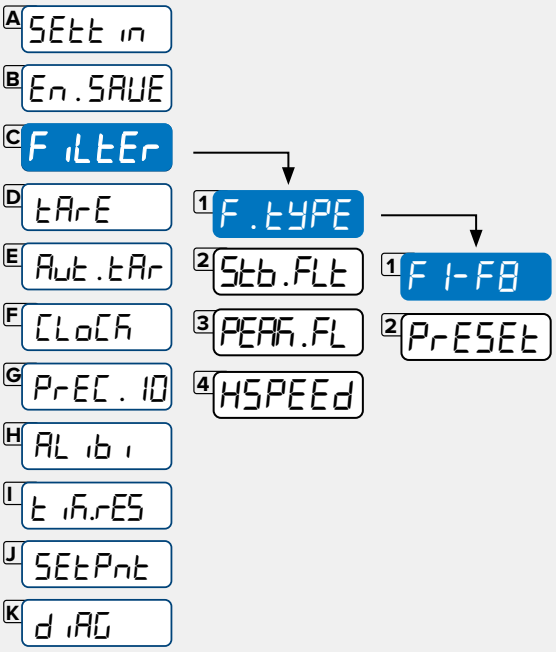
MENU

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F iLtEr WEIGHING FILTERS

To change the responsiveness of the scale.
This is useful to adjust the scale according to your needs.

With an approved instrument, it is not possible to change the filter.

"F 8" represents the lowest filtering incidence.
By increasing the incidence, the weight becomes more stable.
It is advisable to carry out several weighing operations by changing the incidence until the best compromise between responsiveness and stability is achieved.

C-1-1	F 1	Filter at 6 Hz.	
C-1-2	F 2	Filter at 12 Hz.	
C-1-3	F 3	Filter at 25 Hz.	M **Standard filter for legal for trade configurations**
C-1-4	F 4	Filter at 50 Hz.	M
C-1-5	F 5	Filter at 100 Hz.	M
C-1-6	F 6	Filter at 200 Hz.	M
C-1-7	F 7	Filter at 400 Hz.	M
C-1-8	F 8	Filter at 800 Hz.	M
C-1-9	CuStoM		

NOTE: Filters F 3 through F 8 are filters suitable for legal for trade applications.

MENU

How to enter

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How to browse

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= OK
= C

A SEtt in
B En.SAUE
C F iLtEr
D tArE
E Aut.tAr
F CLoCA
G PrEC. 10
H AL ib i
I t iA.rES
J SEtPnt
K d iAG

C
1 F.tYPE
2 Stb.FLt
3 PEAA.FL
4 HSPEEd

1 F 1-F8
2 PrESEt

PrESEt PRESET FILTERS (Internal use)

When enabled, preset Filters automatically set additional specific parameters. The purpose of PL.PA (Place and Pick) presets are to facilitate high speed weighing situations for bench or floor scales; by combing high speed display reactions with a high resistance to disturbances and vibrations.

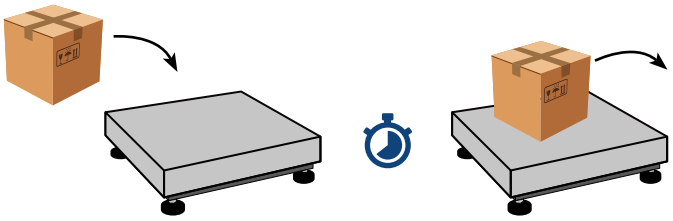
In addition, the preset doSAGE filter always includes these parameters to facilitate stable and fast dosing.

The preset filters combine stability filters (PEAA.FL, t iM.Stb, Stb.FLt, OtrA, OtrA.SP) with the XSpeedTool's parameters.

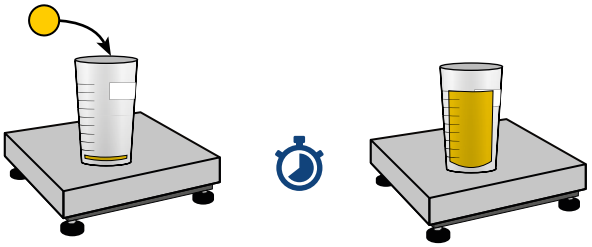
C-1-2 PL.PA.hr — Filter at 100 Hz. Place and pick high resolution.

PL.PA.St — Filter at 200 Hz. Place and pick standard. **This the standard filter for non legal for trade configurations**

PL.PA.FS — Filter at 400 Hz. Place and pick fast



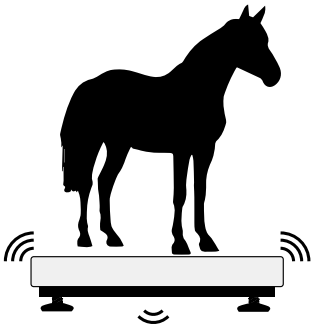
doSAGE — Filter at 200 Hz. Stable fast filter with a high refresh rate of display



The Animal filter holds the weight of an animal based on division and time PEAA.FL and HSPEEd parameters. The purpose of the filter is to capture the weight of an animal that is moving.

NOTE: To increase measurement accuracy, increase the time duration in the PA.LA.tM parameter. To operate faster, decrease the time duration in PA.LA.tM parameter (increase the PA.LA.tM division band). Increasing the speed will reduce the weighment accuracy.

An iMAL



DINI ARGEO Scales - Weighing systems

The following table, details the parameters that are automatically set when a preset filter is selected:

PRESET FILTER	PARAMETER COFIGURATION
PL.PK.HR (Place and Pick High Resolution)	rAtE: 100 Hz
	FinE: UALuE: 0.05 CYcLES: 9
	Stb.tN: 1000
	Min.UAr: 50
	OtrH: 1d
	OtrL.SPd: 220
	tN.Stb: 150
PL.PK.ST (Place and Pick Standard)	rAtE: 200 Hz
	FinE: UALuE: 0.06 CYcLES: 9
	Stb.tN: 1000
	Min.UAr: 50
	OtrH: 1d
	OtrL.SPd: 250
	tN.Stb: 150
PL.PK.FS (Place and Pick Fast)	rAtE: 400 Hz
	FinE: UALuE: 0.08 CYcLES: 9
	Stb.tN: 1000
	Min.UAr 50
	OtrH: 1d
	OtrL.SPd: 220
	tN.Stb: 150
DOSAGE	rAtE: 200 Hz
	FinE: UALuE: 0.07 CYcLES: 9
	OtrH: 1d
	OtrL.SPd: 250
	tN.Stb: 150
ANIMAL	rAtE: 50Hz
	FinE: UALuE: 0.10 CYcLES: 9
	PA.LA.dU: 02
	PA.LA.tN: 1.00
	PA.diU: 100
	PA.bn.dU: 50
	PA.tiME: 1.00

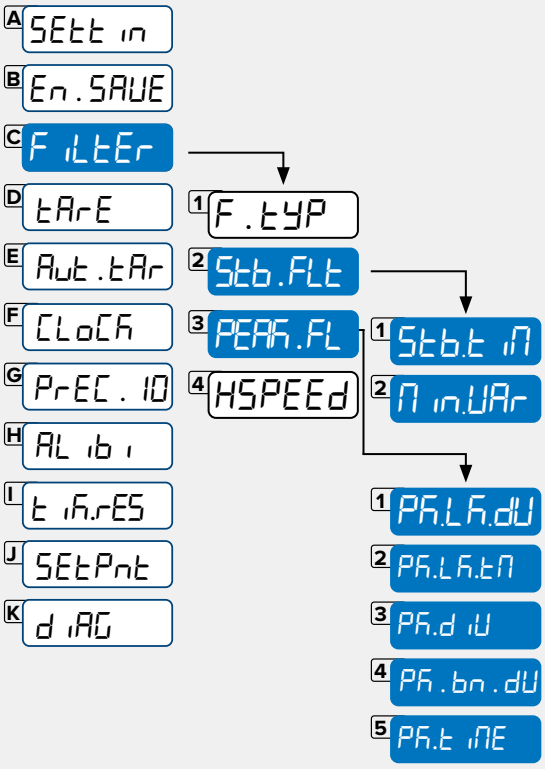
MENU

How to enter

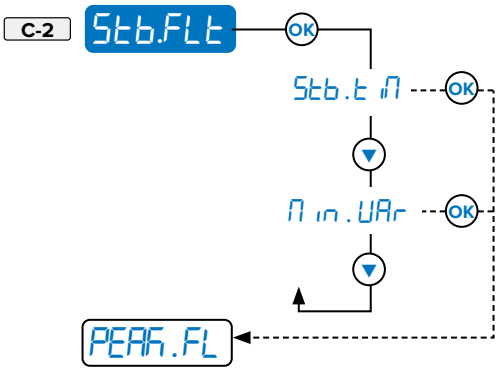
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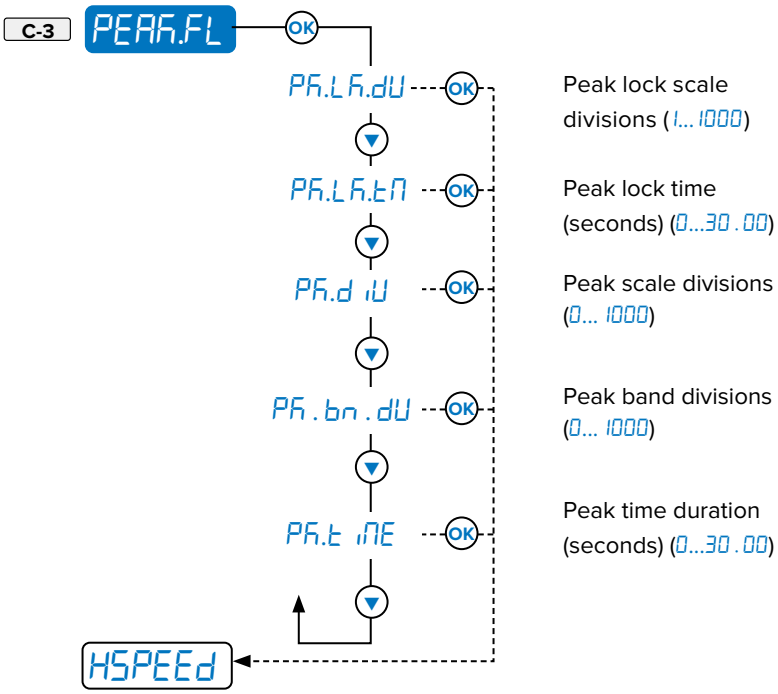


Stb.FLt STABILITY FILTER (Internal Use Only)



Stability filter locks the weight if it oscillates around a value set in in.UAr for the time set in Stb.t in. The weight unlocks if the value increases/decreases greater than the divisions set in in.UAr.
To disable, set as 0.

PEAK.FL ANTI-PEAK FILTER (Internal Use Only)



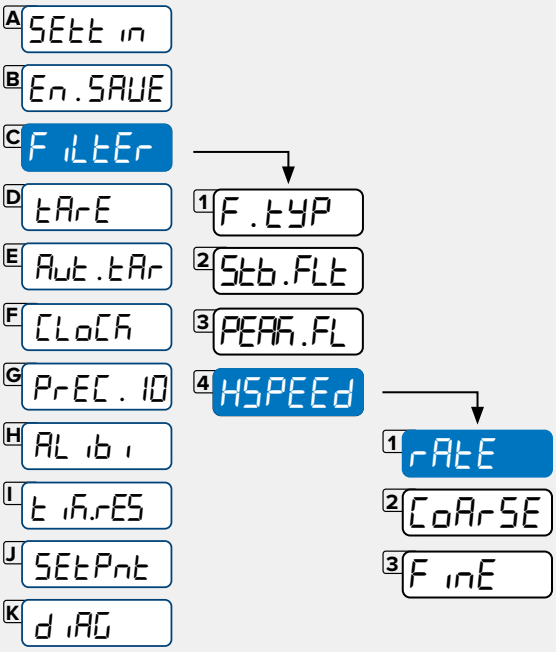
PK.LK.tn, PK.d iU, PK.bn.dU, PK.bn.dU, PK.t inE visible if PK.LK.dU = 1 - 1000

Filter that eliminates vibration and sudden weight peaks (for example, shocks or falling material).

- If the weight oscillates for the division set in PK.LK.dU and the time set in PK.LK.tn, it locks.
- The weight must stay in the division band set in PK.bn.dU to be stable. If it exceeds the band for a greater amount of time than PK.t inE, it is unstable and unlocks.
- If the weight exceeds the value set in PK.dU, it is unstable and unlocks.

MENU

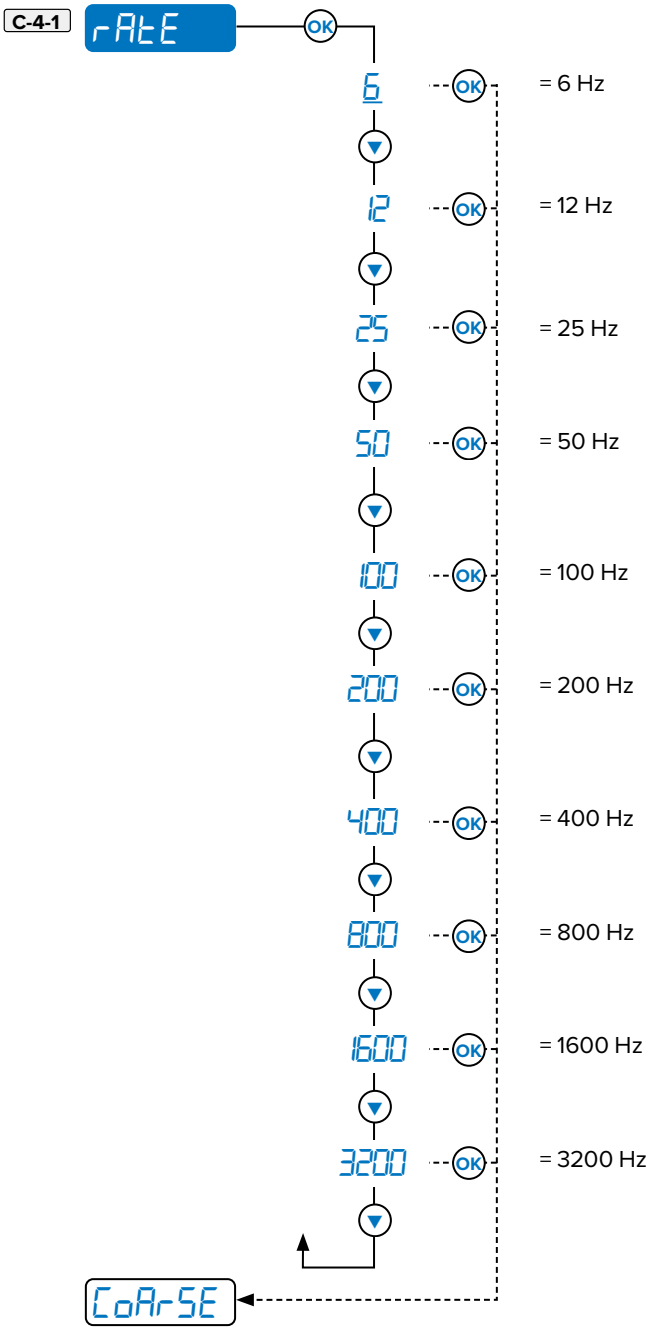
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HSPEEd XSPEED FILTERS

With an approved instrument, it is not possible to change the filter.

Sets the sample rate for the XSpeed tool filters.



DINI ARGEO Scales - Weighing systems

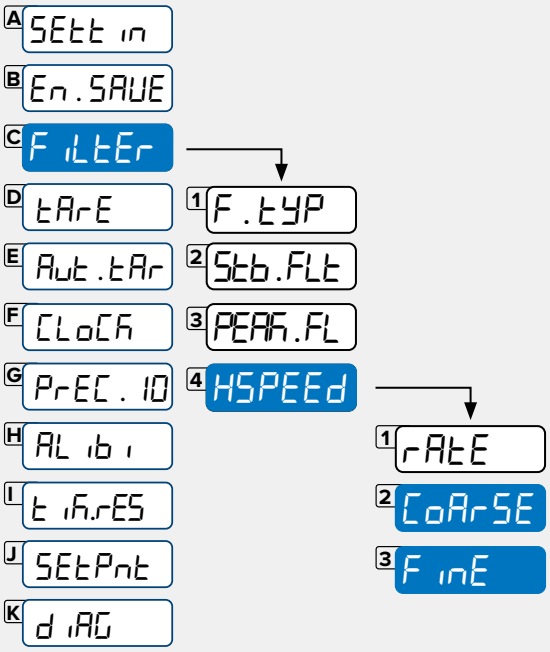
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How to enter

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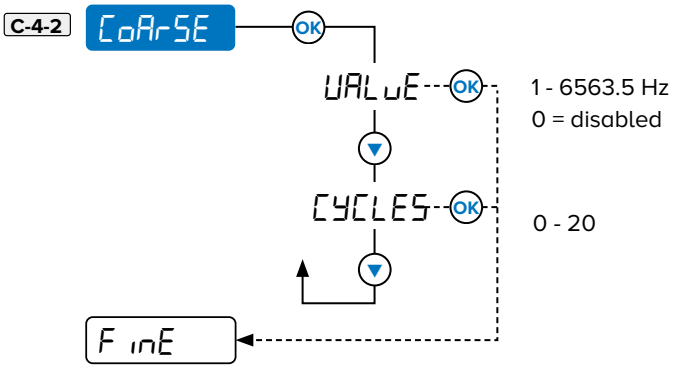
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The Coarse filter has two configurable parameters. The first parameter (*UALuE*) defines the filter that removes signal vibrations and is defined in hertz. The second parameter (*CYcLES*) defines the quantity of instances of the filter.
A smaller value configuration causes a larger filter action.

NOTES:

- This parameter should be configured in conjunction with the XSpeed Tool
- *rAtE* should be configured to at least 100 Hz

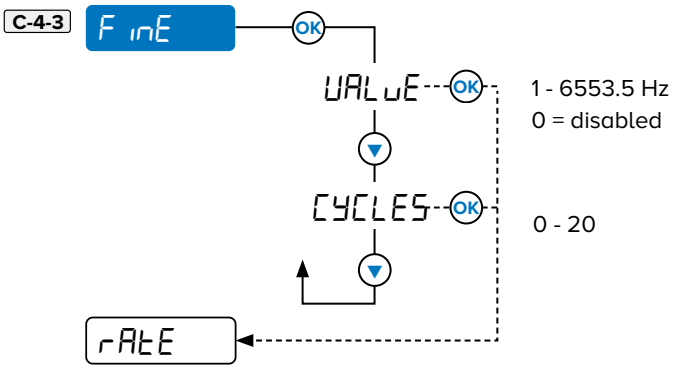


The Fine filter has two configurable parameters. The first parameter is removes signal oscillations and is defined hertz. The second parameter defines the quantity of instances of the filter.

A larger value configuration causes a larger filter action.

NOTES:

- This parameter should be configured in conjunction with the XSpeed Tool
- *rAtE* should be configured to at least 100 Hz



DINI ARGEO Scales - Weighing systems

MENU

How to enter

OK *5 Sec.*

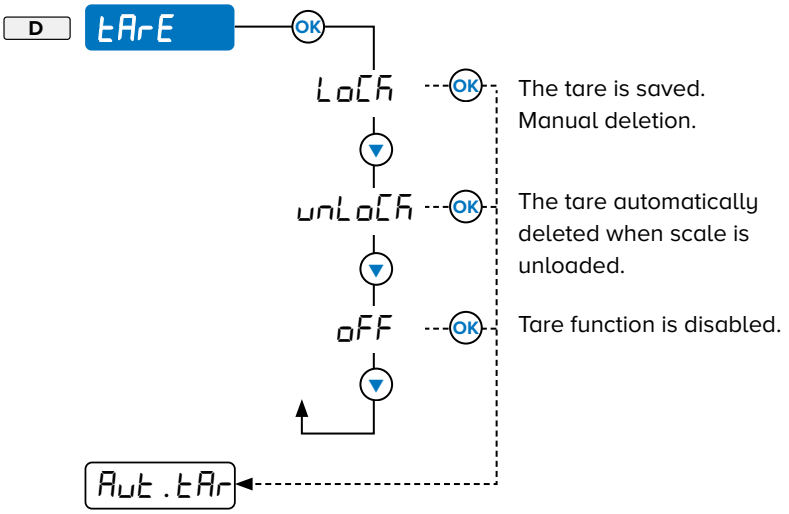
How to browse

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↵ = OK
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A SEtt in
B En.SAUE
C F iLtEr
D tArE
E Aut.tAr
F CLoCK
G PrEC. 10
H AL ib 1
I t iM.rES
J SEtPnt
K d iAG

tArE - TARE

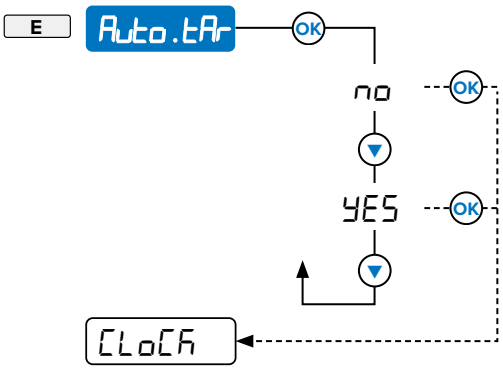
Configures how the tare operates.



Aut.tAr - AUTOMATIC TARE

Tare automatically occurs when the weight is stable:

- If rEACt ▶ inSt ▶ n.d iUS is configured, the minimum tare must be equal or greater than the set divisions.
- If rEACt ▶ 2Ero is set, no minimum value is required.



For more info about rEACt, see technical manual.

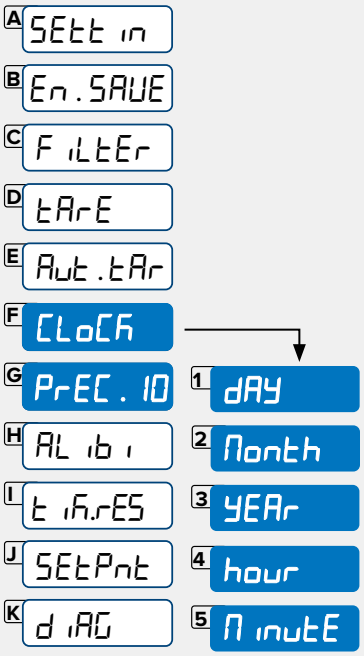
MENU

How to enter

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How to browse

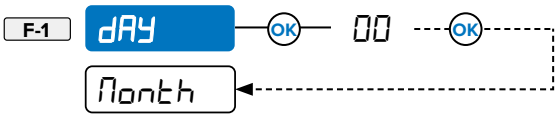
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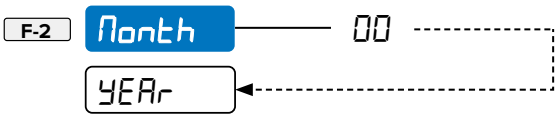
CLoCK - DATE AND TIME

Sets the indicator date and time.

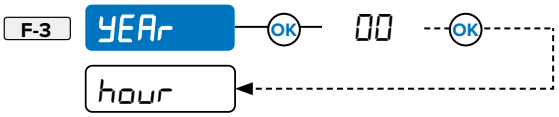
Day



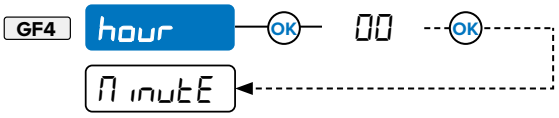
Month



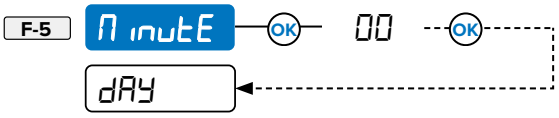
Year



Hour

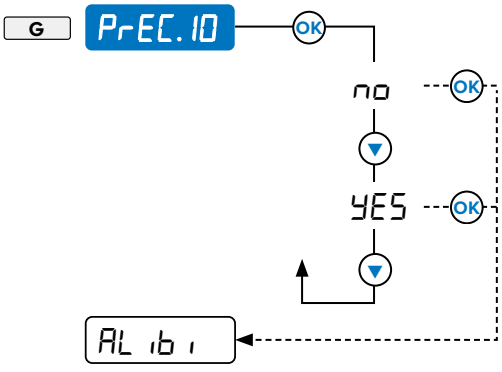


Minute



PrEC. 10 - HIGH RESOLUTION READING DIVISION

Displays the weight with ten times greater resolution



MENU

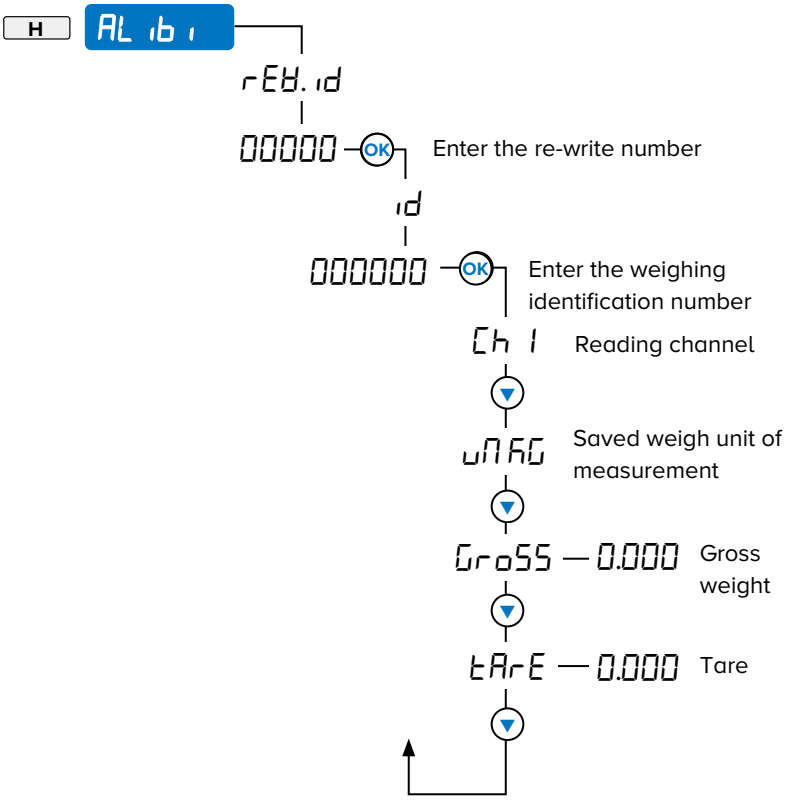
How to enter	How to browse
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- A SEtt in
- B En.SAUE
- C FiLtEr
- D tArE
- E Aut.tAr
- F CLoCk
- G PrEC.10
- H **ALibi**
- I t iM.rES
- J SEtPnt
- K diAG

ALibi - ALIBI MEMORY READING

Visible only if optional Alibi and Clock boards are installed.

The weighing save ID code is expressed as follows: 00000 - 000000, for example 00001 - 000021.
The first value is the re-write number, the second value is the weighing identification number.



DINI ARGEO Scales - Weighing systems

MENU

How to enter

OK *5 Sec.*

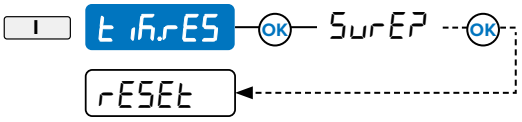
How to browse

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A SEtt in
B En.SAVE
C FiLtEr
D tArE
E Aut.tAr
F CLoCK
G PrEC. 10
H AL ib1
I t ih.rES
J SEtPnt
K diAG

t ih.rES - TICKET NUMBER RESET

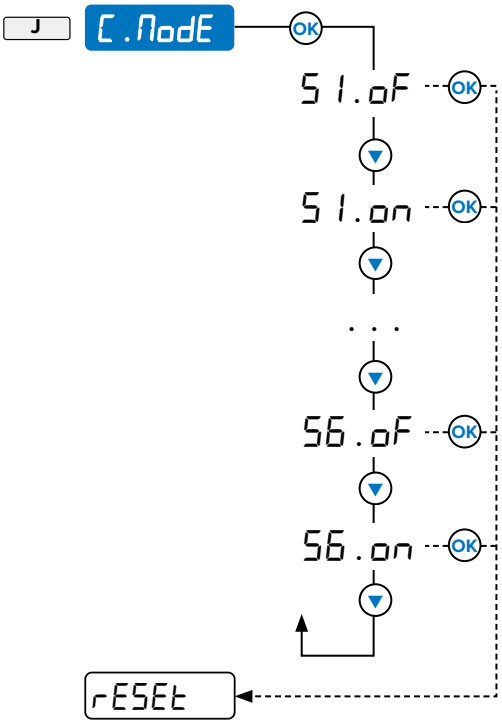
Resets the progressive ticket number.
NOTE: For more information about the ticket number, see the LAYout ▶ t iCKEt ***parameter in the DFWXS Technical Manual.***



SEtPnt - SETPOINT

Setpoints can be optionally set if the Digital Input and Output board is installed. 6 setpoints are available, 1 for each output. Each setpoint has 2 configurable states, setpoint on (S1.on to S6.on) and setpoint off (S1.oFF to S6.oFF).

NOTE: The outputs must be set as either Gross or Net in order for the function to operate. For more information, see Technical Manual.



Enter weight for the setpoint.

NOTE: Setpoints operating in hysteresis when setpoint on and off parameters are configured. Setpoints can output to trigger off and on when a specified weight is reached. For example, Setpoint 1 could be configured to turn on when the weight reaches 2 kg and turn off when it reaches 1 kg.

Setpoints can be associated with a specific color. For more information, the DFWXS technical manual.

MENU

How to enter

OK *5 Sec.*

How to browse

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= C

A SEtt in

B En.SAUE

C F iLtEr

D tArE

E Aut.tAr

F CLoCk

G PrEC. 10

H AL ib i

I t iA.rES

J SEtPnt

K d iAG

d iAG - DIAGNOSTICS

K d iAG — OK

Reserved for manufacturer use.

FAQ

Frequently Asked Questions

PRINT 127

ACCUMULATION 127

TARE 127

WEIGHING 128

PIECE COUNTER 128

PRINT

The scale does not print

- Another printout is already in progress (busy)
- Make sure there is a roll in the printer
- The printer does not switch on
- The weight is unstable (unstAb)
- The net or gross weight is negative or is insufficient for printing (Lo)
- Underload or overload (------ o ------) (un.oUEr)
- The scale was not loaded after the last printing (no.0.un5)
- You are trying to print a non-approved weight

ACCUMULATION

The scale does not accumulate

- Make sure there is a roll in the printer
- The printer does not switch on
- The weight is unstable (unstAb)
- The net or gross weight is negative (Lo)
- Underload o overload (------ o ------) (un.oUEr)
- The scale was not unloaded after the last printing (no.0.un5)
- The weight is insufficient for weighing (Lo)
  - less than the configured value in rEACt ▶ inSt ▶ n.d iU5 (see DFWXS technical manual)
  - less than “Min” for the approved products (shown on the measuring plate)

TARE

The scale does not tare

- The weight is unstable (unstAb)
- The gross weight is negative (Lo)
- The weight is insufficient
- The weight exceeds the maximum capacity
- The tare function has been deactivated (see page 121)
- In the event of manual tare, the value exceeds the maximum capacity

WEIGHING

The scale does not switch on

- Make sure the power cable is connected properly
- Connect the battery charger and try again. If the instrument continues to malfunction, contact the dealer.

The scale switches off suddenly

- Automatic switching off active
- Low battery
- Battery failure
- Power supply line failure

The scale is not reactive

- One of the available energy saving modes has been activated
- An unsuitable weighing filter has been selected

The scale display switches off and displays a dot

- Stand-by mode is active: press a key to reactivate weighing.
- Energy saving mode is active: contact the dealer for further details.

The scale displays a permanent "2Ero" message

- The scale is unable to automatically reset the weight because it exceeds the maximum resettable weight at switch-on.
- Unload the scale and try again. If the scale continues to have the same problem even when there is nothing on it, contact the dealer.

The weight is unstable

- Check the active weighing filter (see page 116).
- If the support surface is subjected to vibrations from machinery or moving vehicles, move the scale onto another surface and try again.

PIECE COUNTER

The scale does not carry out sampling

- The weight is unstable (Err .Not)
- The weight is insufficient, add more pieces and try again (Error)

ERROR MESSAGES

MESSAGE	DESCRIPTION	SOLUTION
buSY	Another printout is already in progress	Wait for the printout in progress to be finished and try again.
unStAb	The weight is unstable	Check the weighing filter (see page 116). If the support surface is subjected to vibrations from machinery or moving vehicles, move the scale onto another surface and try again.
LoW	The net or gross weight is negative or insufficient for printing	Add weight and try again.
un.oUEr	Underload o overload (_____ o ⁻⁻⁻⁻⁻)	Restore a valid weight condition. If the problem persists, contact customer service.
no.0.unS	The scale was not unloaded after the last printing	Completely unload the scale, making sure the →0← light comes on. Reload the weight and try again.
Err.Not	The weight is unstable	Wait for stability (the ~ light) and try again.
Error	In piece counting mode, the weight is insufficient for proper sampling.	Add more pieces and try again.

NOTES

This publication, or portions thereof, may not be duplicated without written permission from the Manufacturer. All information contained in this manual is based on the data available at the time of its publication; the Manufacturer reserves the right to make changes to its products at any time without notice and without incurring any penalty. We therefore recommend that you always check for any updates.

The individual in charge of the scale operation must ensure that all safety regulations in force in the country of use are applied, ensuring that the appliance is used in accordance with the purpose it is intended for and to avoid any danger for the user.

The Manufacturer declines any liability arising from any weighing operation errors.

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DINI ARGEO
Scales - Weighing systems

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Stamp of the authorized service center

The information in this document is approximate and can be subject to variations without prior notice by Dini Argeo, with respect of the norms in force. The official technical data is available in the updated version on the **www.diniargeo.com** website or by contacting the Dini Argeo Customer Service.

USER_MAN_DFWXS_26_08_en-US_RB
Rev. B 24.4.2026