DINI ARGEO

A RICE LAKE WEIGHING SYSTEMS COMPANY

iDimension® Plus XL

iDimension® Plus XL - Modular dimensioning system for OEM systems



iDimension® Plus XL is a modular system consisting of a static dimensioning unit and a touch screen indicator, ideal for integrating the volume reading of parcels, cartons and envelopes into pre-shipment handling and sorting machines or lines, or for incoming checks.

The iDimension® Plus XL can measure any package or item, even unpackaged, in less than a second, displaying the data and images on the 7 inch touch screen display and sharing them in real time with the company's computer system. With iDimension® Plus XL the operator always has the situation under control.

Working in cooperation with:

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The best solution for advanced industrial applications

DIMENSIONING FEATURES

- **Dimensions**: see table;
  ATTENTION: the minimum and maximum reading measurements may vary according to the installation, the type of scale and the type of use (approved or for internal use).
- **Reading accuracy:**
  +\- 5 mm for carton boxes
  +\- 10 mm for irregular and shaped packages
- **Measurement time:** real time detection (0.2 seconds)

TECHNICAL FEATURES

- **Simple and fast** installation for the technician, **easy and immediate** use for anyone.
- **7-inch colour touchscreen display** for real-time display of measured values and camera image. Also useful for keeping the measurement area under control at all times.
- **I/O ports:**
  USB type A port for scale and barcode reader via USB hub (not included) and
  Ethernet port for connection to computer system.
- **Software integration:** API files and SDK available for integration of network devices
- **WebServer** for supervision and remote assistance.
- Operating temperature: 0° C to 40° C - Humidity: non-condensing.
- Power supply: 110-240 V, with US socket as standard (EU, UK and AUS sockets optional).

TOP-OF-THE-LINE CAMERAS AND SENSORS

- iDimension® Plus XL combines the highest quality 3D imaging technologies with specific algorithms specially developed by Rice Lake to quickly and accurately read the dimensions of any object, even irregularly shaped ones.
- This feature makes iDimension® Plus XL the fastest static dimensioning system in its class.
- These technologies also allow iDimension® Plus XL to read accurately without requiring special attention during positioning: this feature results in process optimisation and a considerable increase in shipments.
- Thanks to the camera, iDimension® Plus XL records an aerial image of the measured object to ensure complete traceability, which is indispensable during disputes over damaged parcels. Available in "4K" version for high resolution colour images (2880 x 2160 pixels).
- Through XML API integration, the image can be shared with the company's IT system, in .bmp or .jpg format.

CERTIFICATIONS

- OIML R129 approved
- 2014/32/EU approved (MID)
- Australian legal for trade certificate of approval
- NTEP – National Type Evaluation Program

CONNECTABLE SCALES

- iDimension® Plus XL can be connected to the Dini Argeo DFWL and 3590 Touch Screen weight indicators series to add the weight data to the volume data. The measuring and weighing station can also be equipped with printer or labeller and bar code reader.

Note: the 3590 Touch Screen require a specific program to communicate with iDimension® Plus (AF-DIM). See scheme below (accessory tables area) for more details.

- Alternatively, it is possible to connect the Rice Lake Bench Pro compact scale, for internal factory use, available in basic version or with idle or ball roller conveyor.

DIMENSIONS

- Dimensioning head: 229x216x76mm; more details inside the technical drawing
- Display touch screen: 117x180x18mm, VESA 75x75mm connection

MEASUREMENT CAPABILITIES

Model	XL at 1.2 m		XL at 1.5 m		XL at 2 m	
Platform Distance	120 cm		150 cm		200 cm	
Min/Max	Min	Max	Min	Max	Min	Max
Length	14 cm	100 cm	14 cm	120 cm	20 cm	120 cm
Width	14 cm	60 cm	14 cm	80 cm	20 cm	80 cm
Height	5 cm	60 cm	5 cm	70 cm	10 cm	80 cm
Division	5 mm		5 mm		10 mm	

Legal for Trade approved minimum and maximum measurements are available from the country specific certificate of approval.

ADVANTAGES FOR THE INSTALLER

- Extremely easy to set up and operational in just a few minutes. Initial installation and configuration via wizards.
- iDimension® Plus XL is very easy to use and requires no special training for users.

PERIPHERALS

- Optional USB hub, for the use of more than one peripheral device and for interfacing with UPS Worldship (on request).
- Optional USB barcode scanner, for reading and sharing the barcode and start scan command for size detection.

DETAIL 1



www.diniargeo.com



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SALES AND TECHNICAL ASSISTANCE SERVICE

All the specifications and images can be subject to variations and upgrades without prior notice.