DINI ARGEO

A RICE LAKE WEIGHING SYSTEMS COMPANY

iDimension® Plus_OLD20220712

iDimension® Plus - System for quick dimensioning of parcels, envelopes and objects



iDimension® Plus is the ideal solution for speeding up the workflow in intralogistics processes.

The iDimension® Plus is designed to quickly and accurately measure the volume of packages, envelopes and objects handled by hand, sharing the data in real time with the company's computer system.

It can measure any package or object, even those without packaging, in less than a second, displaying the data and images on the 7-inch touch screen display provided. With iDimension® Plus the operator has everything under control.

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 cartons\boxes
  +\- 10 mm for irregular, shaped packages, bags and irregular shapes, using automatic detection
- 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 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 the fastest static dimensioning system in its class.
- These technologies also allow iDimension® Plus 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 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 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: DFWL and 3590 Touch Screen require a specific program to communicate with Idimension Plus (DFW-DIM and AF-DIM, respectively). 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

- Version with 1.2 m pole
  Length: 63.5 cm
  Width: 36 cm
  Height: 130.5 cm
  Weight: 13 kg

  Version with 1.5 m pole
  Length: 63.5 cm
  Width: 36 cm
  Height: 160.5 cm
  Weight: 13 kg

MEASUREMENT CAPABILITIES

Model	1.2 m		1.5 m	
Platform Distance	120 cm (48 in)		150 cm (60 in)	
Min/Max	Min	Max	Min	Max
Length	3 cm (1.2 in)	100 cm (40 in)	3 cm (1.2 in)	120 cm (48 in)
Width	3 cm (1.2 in)	60 cm (24 in)	3 cm (1.2 in)	80 cm (32 in)
Height	0 cm (0 in)	60 cm (24 in)	0 cm (0 in)	70cm (28 in)
Division	0.5 cm (0.2 in)		0.5 cm (0.2 in)	

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 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.

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.