iDimension™ 100
3D Imaging and Dimensioning System

iDimension 100 is designed for use in retail, office and shipping environments on a workstation, table or bench. This is the first Rice Lake Weighing Systems iDimension series product that provides all the necessary hardware for an out-of-the-box solution.

Standard Features

- Dimensions parcels in less than 2/10th of a second
- Includes USB operator display (no PC interface required) for:
  - Operator configuration and zero height feature
  - Displays dimensions, status and weight if scale is directly attached
- Requires virtually no special alignment or special handling while placing an object under the work area
- Low resolution overhead image available in .jpg or .bmp format, used for verification, tracking and claim protection.
- Converts irregular shapes like cylinders, spheres, tubes, polybags and uneven shapes to 0.5 in NTEP Certified cubed dimensions
- Dimensions flats, less than 2 in height, with the use of a scale or flat detection trigger located on the iDimension 100's base plate
- Automatic or manual operator modes:
  - Automatic operating mode is the standard out of the box configuration which allows you to move the parcel under the work area without the press of a button
  - Manual operating mode is for use with custom or 3rd party software interface that can be triggered by an attached bar code scanner, software function or demo display when interfaced to a PC
- Interfaces with most NTEP Certified shipping scales and Rice Lake Bench Pro Series
- Quick assembly: Includes all necessary tools and components for a complete out-of-the-box solution and immediate use with minimal operator training
- No additional installation of software required on your PC. When connected to a network, the embedded firmware provides access to additional displays and configuration parameters
- Connect to a PC and communicate directly over the network via static IP or DCHP. Use our open web service interface to take advantage of additional built in features like; a low resolution image of each dimension weight and more.
- Contact the factory for an up-to-date listing of 3rd party shipping and inventory management systems compatible with the iDimension Series.
- UPS Worldship® ready – Simply connect the iDimension Series to a USB hub. Connect your compatible scale and cable assemblies from the USB hub to the PC's RS-232 or USB port, cables purchased separately.

NTEP Certified Measurement Ranges - Cube

	MIN (IN)	MAX (IN)	DIVISION (IN)
Length	5.6	48	0.2
Width	5.6	28	0.2
Height	2.4	28	0.2

NTEP Certified Measurement Ranges - Irregular

	MIN (IN)	MAX (IN)	DIVISION (IN)
Length	6	48	0.5
Width	6	28	0.5
Height	6	28	0.5

Note: Minimum and maximum NTEP Certified capabilities do not reflect non-NTEP Certified performance specifications. Contact factory for more assistance.

OIML/MID Certified Measurement Range - Cube

	MIN (CM)	MAX (CM)	DIVISION (CM)
Length	12	80	0.5
Width	10	60	0.5
Height	5	70	0.5
OR			
Length	12	120	0.5
Width	10	75	0.5
Height	5	30	0.5

Specifications

Physical Dimensions 100 Series:
Length: 25 in (63.5 cm)
Width: 14.25 in (56 cm)
Height: 63.8 in (162 cm)
Weight: 28.5 lb (13 kg)

Power Requirements 100 Series:
Single power source 110-240V external power supply, US power cord

Object Colors:
All opaque packaging; some variances may occur with glossy surfaces or shrink wrap

Measurement Surfaces:
Level tables, scales, roller balls and roller conveyors. The background should have a contrasting color for items to be dimensioned. Avoid over-polished or glossy surfaces like stainless steel weight platters and flat black paint for best performance

Operating Temperature:
41° F to 104° F (5° C to 40° C)

Humidity:
Non-condensing

Mechanical Environment Class:
M1

Electromagnetic Class:
E1

I/O Ports:
(1) USB type A port (interface to scale)
(1) 10/100/100BASE-T Ethernet port (interface to PC)

Package Contents:
iDimension 100 assembly tools, calibration object, USB display and US power cord

Warranty:
One-year limited warranty

Approvals:
NTEP
CE
FCC
OIML
MID

Part Numbers/Price

PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
170654	iDimension 100	31 lb	Consult
Options/Accessories			
174880	BP 1214-75S 150 x 0.05 lb USB shipping scale with plastic shroud	–	Consult
176307	QuickScan QD2131 bar code scanner with USB cable	4 lb	Consult
179081	Kit, Cable Assy. PC Interface, RS-232*	–	Consult
179083	Kit, Cable Assy. PC Interface, USB*	–	Consult

*Cable assemblies for UPS Worldship Compatibility, USB hub not included.