

iDimension® 100



iDimension 100 is designed for use on a workstation, table or bench in retail, office and shipping environments. 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 2/10ths 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 1.2 in height, with the use of a connected scale or flat detection 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 BenchPro™ BP-S
- 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 DHCP. 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.

Specifications

Physical Dimensions:

Length: 25 in (63.5 cm)
 Width: 14.25 in (36 cm)
 Height: 63.8 in (162 cm)
 Weight: 28.5 lb (13 kg)

Power Requirements:

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 and scales with flat black painted weight platters. The background should have a contrasting color for items to be dimensioned. Avoid polished or glossy surfaces like stainless steel weight platters 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 or barcode scanner)
- (1) 10/100/100BASE-T Ethernet port (interface to PC/Network)

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

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

Part Numbers/Price

Part #	Description	Capacity	Dimensions	Est. Weight	Price
170654	iDimension 100	—	—	44 lb	Consult
181154	iDimension system (UPS Worldship Compatible), includes scale & USB hub kit	—	—	—	Consult
Options/Accessories					
184585	BP-S USB shipping scale with painted mild steel weight platter	150 x 0.05 lb (75 x 0.02 kg)	12 x 14 in	17 lb	Consult
182994	BP-S USB shipping scale with painted mild steel weight platter	150 x 0.05 lb (75 x 0.02 kg)	12 x 16 in	31 lb	Consult
182392	BP-S USB shipping scale with painted mild steel weight platter	100 x 0.02 lb (50 x 0.01 kg)	18 x 18 in	63 lb	Consult
182379	BP-S USB shipping scale with painted mild steel weight platter	150 x 0.05 lb (75 x 0.02 kg)	18 x 18 in	63 lb	Consult
182383	BP-S USB shipping scale with painted mild steel weight platter	300 x 0.1 lb (150 x 0.05 kg)	18 x 18 in	63 lb	Consult
182396	BP-S USB shipping scale with painted mild steel weight platter	300 x 0.1 lb (150 x 0.05 kg)	20 x 20 in	76 lb	Consult
182400	BP-S USB shipping scale with painted mild steel weight platter	300 x 0.1 lb (150 x 0.05 kg)	24 x 24 in	131 lb	Consult
180771	Kit, USB Hub for use with BenchPro scale and UPS Worldship Compatibility	—	—	—	Consult
180007	Kit, USB Hub for use with bar code scanner and scale	—	—	—	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
Replacement Parts					
188098	iDimension 100 USB display	—	—	—	Consult
188103	iDimension 100/XL power supply, 50W 110/230VAC and US power cord	—	—	—	Consult
181246	iDimension 100 main head with firmware	—	—	—	Consult



BenchPro BP-S with painted mild steel weight platter