

## 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 2/10<sup>ths</sup> 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 3<sup>rd</sup> 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 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 3<sup>rd</sup> 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
<b>170654</b>	iDimension 100	–	–	44 lb	Consult
<b>181154</b>	iDimension system (UPS Worldship Compatible), includes scale & USB hub kit	–	–	–	Consult
<b>Options/Accessories</b>					
<b>184585</b>	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
<b>182994</b>	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
<b>182392</b>	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
<b>182379</b>	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
<b>182383</b>	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
<b>182396</b>	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
<b>182400</b>	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
<b>180771</b>	Kit, USB Hub for use with BenchPro scale and UPS Worldship Compatibility	–	–	–	Consult
<b>180007</b>	Kit, USB Hub for use with bar code scanner and scale	–	–	–	Consult
<b>176307</b>	QuickScan QD2131 bar code scanner with USB cable	–	–	4 lb	Consult
<b>179081</b>	Kit, Cable Assy. PC Interface, RS-232	–	–	–	Consult
<b>179083</b>	Kit, Cable Assy. PC Interface, USB	–	–	–	Consult
<b>Replacement Parts</b>					
<b>188098</b>	iDimension 100 USB display	–	–	–	Consult
<b>188103</b>	iDimension 100/XL power supply, 50W 110/230VAC and US power cord	–	–	–	Consult
<b>181246</b>	iDimension 100 main head with firmware	–	–	–	Consult



*BenchPro BP-S with painted mild steel weight platter*