



The iDimension 100XL is specifically designed for integrators to provide flexibility in the installation of a dimensioning solution anywhere over a conveyor, table or scale from a pole, ceiling mount or support beam. The mounting bracket protects cable connections and mounts the in-line power supply to the back of the unit.

## Standard Features

- Dimensions parcels in less than 2/10<sup>th</sup>s of a second
- Includes USB operator display with 54 in cord and 1.5 in pole mount bracket for use in:
  - Displaying dimensions, status and weight if scale is directly attached
  - Operator configuration and zero height feature
- Low resolution overhead image available in .jpg or .bmp format, used for verification, tracking and claim protection
- Requires virtually no special alignment or special handling while placing an object under the work area
- 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 when connecting a compatible shipping scale
- 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
- No 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 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: 8.9 in (22.6 cm)

Width: 3.7 in (9.4 cm)

Depth: 9.9 in (25 cm)

### Mounting and Installation Considerations:

The sensor must be installed level, free from vibration and positioned centrally over the measuring platform 79 in (2 m) height to perform to certified measurement range. Alternate mounting height of 60.2 in (1.5 m) is configurable.

### Power Requirements:

Single power source 110-240V external in-line power supply with 7 ft US power cord

### Object Colors:

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

### Operator Display:

7 in USB touchscreen display with 54 in cable

### 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:

- (3) USB type A ports
- (2) USB power ports
- (1) 10/100/100BASE-T Ethernet port (interface to PC/Network)

### Package Contents:

iDimension 100XL sensor, mounting bracket, USB display, power supply, tools, calibration object and cables

### Warranty:

One-year limited warranty

### Approvals:

NTEP  
CE  
FCC  
MID  
OIML



iDimension 100XL shown with optional single arm stand

**NTEP Certified Measurement Ranges - Cube**

	Min (In)	Max (In)	Division (in)
Length	7	48	0.2
Width	7	32	0.2
Height	2.4	32	0.2

**OIML/MID Certified Measurement Range - Cube**

	Min (CM)	Max (CM)	Division (CM)
Length	18	120	0.5
Width	18	80	0.5
Height	5	80	0.5

**NTEP Certified Measurement Ranges - Irregular**

	Min (In)	Max (In)	Division (in)
Length	7	48	0.5
Width	7	32	0.5
Height	6	32	0.5

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

**Part Numbers/Price**

Part #	Description	Capacity	Dimensions	Est. Weight	Price
174683	iDimension 100XL	–	–	18 lb	Consult
181154	iDimension system (UPS Worldship Compatible), includes scale & USB hub kit	–	–	–	Consult
<b>Options/Accessories</b>					
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
174660	Single sensor iDimension 100XL floor mount stand with packaging, ships only LTL	–	–	–	Consult
184262	iDimension 100XL USB display RAM mount kit for use with stand	–	–	–	Consult
185107	Single sensor iDimension 100XL floor mount stand, no packaging for on purchasing two or more systems	–	–	–	Consult
182195	Dual sensor iDimension 100XL floor mount stand, with packaging, ships only LTL	–	–	–	Consult
182265	iDimension stand packaging only	–	–	–	Consult
176307	QuickScan QD 2131 bar code scanner with USB cable only	–	–	4 lb	Consult
175508	RAM Mount VESA Base with 1.5 in ball, 2 req	–	–	–	Consult
175509	RAM Mount Arm, double socket, 1.5in ball, 5.6 in L	–	–	–	Consult
188982	USB display Y cable, 2.5 meters	–	–	–	Consult



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