



Dimension™ 100

3D Imaging System



RICE LAKE®
WEIGHING SYSTEMS

800-472-6703
www.ricelake.com



Take measurements to a new dimension

Rice Lake's iDimension™ 100 is the fastest solution for calculating NTEP Certified dimensions of boxes, flats, polybags, tubes and other irregular-shaped packages. iDimension 100 is designed to ensure freight compliance and deter revenue-loss from miscalculated dimensions in retail, office and shipping environments. With an operator display directly attached and no PC interface required, iDimension 100 is truly plug and play—simply open, assemble and display dimensions. Instantly.



Easy Setup

iDimension 100 is ready to function as soon as you connect it to a power source. With all necessary tools and components included, assembly is quick and operator training is minimized. When connected to a network via DHCP or static IP, the embedded firmware provides access to additional screens and configuration parameters—no additional software installation is required.

Innovative Technology

iDimension 100's multiple patented, innovative sensing technology and 3D imaging work together to optimize time and throughput for boxes, flats, polybags, tubes and irregular-shaped packages. For flats or packages under 1.2 inches, use the flat detection trigger located on the base plate or connect to a compatible scale.

Operator Display

With the standard operator display already attached to the frame, setup is easy and operation is simple. iDimension 100 provides length, width and height. Integrating an existing compatible scale adds weight to the displayed data.

Operating Versatility

Use the standard automatic operating mode to instantly scan a parcel when it is placed in the target zone. Improve process time and efficiency with virtually no special alignment or special handling.



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Speed and Accuracy

Parcels are dimensioned more accurately and faster than manual measurements, eliminating the risk of human error. In an industry leading 0.2 seconds, NTEP Certified dimensions are calculated within 0.2 inches of accuracy. Irregular-shaped packages like cylinders, spheres, tubes, polybags and uneven shapes are dimensioned within an NTEP Certified 0.5 inches of accuracy.

Industry Leading

0.2

SECOND DIMENSIONING

Advanced Data Management

As a network device, take advantage of the simple, open-web service API to interface to third-party software programs and capture dimensions, weight and an image of the item. Create your own program and trigger the iDimension 100 to dimension an item and store data of each shipment or receipt of product.

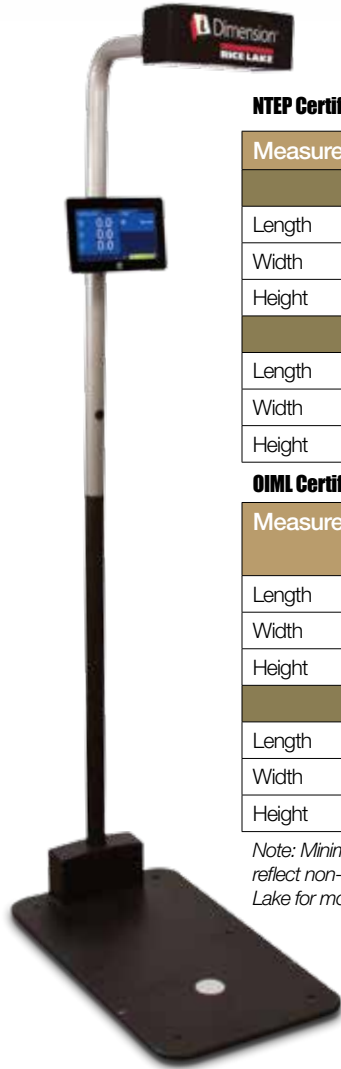
Shipping and Warehouse Management Software Compatibility

Contact Rice Lake Weighing Systems for an up-to-date listing of compatible software programs.



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NTEP Certified Measurement Ranges

Measurement	Min. (in)	Max. (in)	Division
Cube			
Length	5.6	48	0.2
Width	5.6	28	0.2
Height	2.4	28	0.2
Irregular			
Length	6	48	0.5
Width	6	28	0.5
Height	5	28	0.5

OIML Certified Measurement Range

Measurement	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

Note: Minimum and maximum certified capabilities do not reflect non-certified performance specifications. Contact Rice Lake for more assistance.

Standard Features

- Calculates NTEP Certified dimensions in 0.2 seconds
- Displays dimensions, weight and image of static items with included USB operator display
- No moving parts, no special handling
- Quick assembly—includes all necessary hardware and tools
- No PC interface required to set up, configure or manually enter dimensions into third-party software
- Optional PC connection available with provided Ethernet cable. Communicate directly over a network via static IP or DHCP
- Interfaces with most NTEP Certified shipping scales and select Rice Lake Weighing Systems indicators via USB connection

Specifications

Physical Dimensions:

Length: 25 in (64 cm)
Width: 22 in (56 cm)
Height: 63.8 in (162 cm)
Weight: 28.5 lb (13 kg)

Power:

Single power source 110-240V external power supply

Compatible 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 U.S. power cord

Warranty:

One-year limited warranty

Please refer to www.ricelake.com for the latest specifications.

Approvals



NTEP COC# 15-023P

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