iDimension® PWD

PALLET DIMENSIONER
AND SCALE SYSTEM

RICE LAKE
WEIGHING SYSTEMS

800-472-6703
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iDimension® PWD

PALLET DIMENSIONER AND SCALE SYSTEM

Dimensions Pallets in Less Than 2 Seconds

The iDimension® PWD dimensioner and scale system provides shippers with the dimensions and weight of palletized shipments, empowering users to identify the correct freight class and reduce the risk of non-compliance fees from carriers. Ensure invoiced freight charges are accurate at the time of shipment and receive a measurable, nearly instantaneous return on investment with the iDimension PWD.

Same day installation and Operation.

In less than a day, the iDimension PWD can be unboxed, set up and put to work.

Straightforward Operation

The iDimension PWD can be loaded with a forklift or side-loaded with a pallet jack and optional access ramps. Simply place the pallet on the floor scale and use the USB-connected display, optional bar code scanner or web browser to trigger the PWD to capture dimensions. In less than two seconds, the iDimension PWD measures and provides dimensions and weight, and takes a digital picture the item with the optional high-resolution camera.

Versatile Item Sizes

iDimension PWD is capable of measuring pallets up to six feet and packages as small as six inches, cubed.

Convenient Pallet Tare Mode

For non-Legal for Trade applications, iDimension PWD can tare pallet measurements to provide only the dimensions of objects on the pallet.

High-Resolution Camera

The iDimension PWD optional high-resolution camera quickly captures images of freight condition at time of shipment.

Easy Network Integration

The iDimension PWD is designed to easily transfer dimensions, weight and images to a network, simplifying claims processes. Built with a web server interface, iDimension PWD offers simple integration using configurable capture definitions through HTTP requests, status checking and XML parsing.

THE STANDARD PWD SYSTEM INCLUDES:

- 5 ft x 5 ft (1.52 m x 1.52 m), 5,000 lb (2,500 kg) capacity floor scale with built-in forklift bumper guards
- Weight indicator
- USB-connected touchscreen display
- Floor-mounted dimensioning system

THE STANDARD PWD KIOSK INCLUDES:

- Rugged Fanless PC for Industrial environments
- Network switches and other Industrial electronics
- On/off switch, external USB connection for barcode scanner and RJ45 service port
- Network connectivity is hardwired inside kiosk for permanent connection

iDimension® PWD

DIMENSIONS & WEIGHS PALLETS IN AN INSTANT

STANDARD FEATURES

EASY TO USE
Place pallets on the scale and trigger the iDimension PWD to scan dimensions and display results

INDUSTRY BEST SPEED AND PERFORMANCE:
In less than 2 seconds, the iDimension PWD provides dimensions, weight and an optional image of each transaction with rugged 3D cameras and algorthms powered by QubeVu Manager

PWD STANDARD SYSTEM
The satndard PWD system includes: 5 ft x 5 ft (1.52 m x 1.52 m), 5,000 lb (2,500 kg) capacity floor scale with built-in-forklift bumper guards, 880 panel mount weight indicator, USB-connected touchscreen display and overhead sensors

OPTIONS

HIGH RESOLUTION CAMERA:
Capture an image of each pallet to provide proof of condition to simplify the freight damage claim process. Produces a 2.4 mm color .jpeg image at 2688 x 1606 pixels.

WIRED OR WIRELESS BARCODE SCANNER:
Keyboard wedge emulation will manually trigger the iDimension PWD to dimension and add barcode text data into web service API

ACCESS RAMPS:
One or Two side-mounted access ramps provide maneuverable approaches for use with pallet jacks

OVERHEAD 5TH SENSOR:
Increases performance when dimensioing highly reflective and IR sensitive pallet shrink wrap material and small protrusion located on top of freight pallets

SOFTWARE PROGRAMS:
QubeVu Desktop for use as a software keyboard wedge, transferring weight and dimensions to connected terminal. iDimension Software Suite for storing data and images and transferring data to ERP and WMS systems.

SOFTWARE MAINTENACE AND SUPPORT
Annual software maintenace, extended warranty and 24/7 factory technical support available

SPECIFICATIONS

LEGAL FOR TRADE MEASUREMENT RANGE:	Maximum freight size:	(L x W x H) 72 in x 72 in x 72 in 182 cm x 182 cm x 182 cm
	Minimum freight size:	(L x W x H) 6 in x 6 in x 6 in 15 cm x 15 cm x 15 cm
MEASUREMENT CAPABILITIES:	48 in x 42 in x 84 in (120 cm x 105 cm x 210 cm)	
MEASUREMENT INCREMENT:	0.5 in (1 cm)	
ITEM PLACEMENT:	Single pallet within the center of the floor scale for best performance	
MINIMUM PALLET HEIGHT:	4.25 in (10.80 cm) wood pallets	
SHAPES:	Solid shapes, (3-inch (7.62 cm) protrusions or more) will be included in dimensions	
LIGHTING CONDITIONS:	Operates in any indoor lighting environment	
SYSTEM CONTENTS:	iDimension PWD Calibration object, 12 in x 12 in x 12 in test box (30.5 cm x 30.5 cm x 30.5 cm)	
SYSTEM SPEED:	Within 2 seconds from the time the target area is clear and the iDimension LTL has been triggered to scan	
MINIMUM CEILING HEIGHT:	11 ft (3.35 m)	
SENSOR HEIGHT:	10 ft (3.05 m)	
NETWORK INTERFACE:	One static IP address required when used with a mobile PC. Up to 11 IP addresses reserved when connected directly to the network	
POWER REQUIREMENTS:	Single power source (96-264 VAC), with 25 ft (7.62 m) power cable	
OPTIONAL NETWORK CAMERA:	2.4 mm POE network color camera with 3-axis camera angle adjustment. IP24 rating. Standard 2688 x 1606 pixels, 96 dpi at 751kb standard output in .jpeg format. Configurable for time and date, scan ID, system serial number, dimensions and dimensional indicators.	
OPERATING TEMPERATURE:	14°F to 104°F (-10°C to 40°C)	
HUMIDITY:	0-90% non-condensing	
WARRANTY:	Two-year limited warranty Five-year limited warranty, sensors only	

Approval

NTEP Certified
COC#
19-076