VM602

Desktop Dimensioning Station

SCANTECH ID®
CHAMPTEK Group

Introduction

The VM602 series is an advanced, desktop parcel dimensioning station that quickly and accurately measures parcels in high-volume shipping applications. With its 3D-imaging technologies and advanced algorithms to optimize time and throughput for static outbound shipments for small to medium-sized operations.

It supports various automatic and manual measurement modes, its measurement process takes about one second with no specific orientation needed within the measurement area. Parcels and irregular-shaped packages like cylinders, spheres, tubes, polybags and uneven shapes are automatically calculated, eliminating the risk for human error. Each dimension provides an overhead image for use during claim disputes on damaged packages. A color touchscreen display provides instant feedback, a live image, measurements, weight and operator functions for day-to-day use.

You can do local setup and daily operation by its touchscreen; or you can do remote configuration and measurement by access its built-in web-based tool from an Ethernet connection host. You can set up a schedule to transmit daily measurement data and snapshot to a designated host.

The VM602's sturdy, low-profile frame, slim configuration, and simple design allow it to easily integrate into any shipping line or VMS station.

Features

- Requires virtually no special alignment or special handling while placing a package to increase throughput with adjustable scan zone and area of interest.

- Instantly measure cartons, parcels and other irregular shapes with precision.

- No moving parts, making it user-installable and easily maintained.

- Supports various configurable measuring ways, automatic, manual, barcode scanner or weighing scale triggering measurement.

- Converts irregular shapes like stacked cartons, cylinders, spheres, tubes, polybags and uneven shapes to its minimum cuboidal dimension.

- Its daily measurement data or snapshot can be transmitted to a designated host by a pre-set schedule or manually.

- No additional installation of software required on your PC. When connected to a network via static IP or DHCP, you can access its built-in web-based tool to do remote configuration, monitoring and measurement.

- VM602 includes a dimensioning camera and suite a 10.1" color touchpanel for set up, operation and displays dimensions, status and weight if a weighing scale is directly attached.

- Optional kits as selection: camera height adjustable high stand is 70cm/95cm/120cm , weighing scale and barcode scanner.

VM602

Measurement Range

Model VM602

Mounted Height : 70cm
(d=0.5 regular shape, d=1 irregular shape)

Object Height (cm)	Maximum Length (cm)	Maximum Width (cm)
2.54	65	40
5	60	35
10	55	30
15	45	25
25	35	20

Mounted Height : 95cm
(d=0.5 regular shape, d=1 irregular shape)

Object Height (cm)	Maximum Length (cm)	Maximum Width (cm)
2.54	95	55
10	85	50
20	70	40
30	60	35
40	50	30

Mounted Height : 120cm
(d=0.5 regular shape, d=1 irregular shape)

Object Height (cm)	Maximum Length (cm)	Maximum Width (cm)
2.54	120	75
15	105	65
25	95	60
40	75	45
60	55	30

Note: the smallest size VM602 measured is 2(W)x2(L)x0.5(D)cm while its camera is mounted at height 70cm and apply a transparent bracket.

Specification

• Physical Characteristics

VM602 camera (WxLxH)	160 x 138 x 53 mm
Full assembly with Stand	300 x 540 x 1100 mm (camera at 95cm)
VM600 camera (weight)	725 g (25.57 oz)
Full assembly with Stand	Approx. 11 kg (24.25 lbs)

• Electrical Characteristics

Input voltage	DC 12V
Power consumption (Typ.)	600mA operating

• I/O Ports

USB 3.0 Type A (Host) x 3
USB 3.0 Type C (Device) x 1
HDMI x 1
Ethernet port x1
Power jack port x 1

• Environmental Specifications

Operating temperature	0°C to 40°C (32°F to 104°F)
Storage temperature	-20°C to 60°C (-4°F to 140°F)
Relative humidity	0 to 70% relative humidity, non condensing
Ambient light	0 to 10000 lux, avoid direct sunlight
Sealing protection	IP42

• VM602 consists of a VM600 Dimensioning camera, a 10" touch panel and an adjustable short stand.

• Performance Specifications

Field of view	Horizontal 74°, Vertical 50°
Shape	Cubic, cuboidal and irregular shapes
Accuracy	d=0.5, less than ±0.5cm deviation / irregular d=1
Measurement time	Less than 1 second
Texture	All opaque packaging , except very glossy and transparent

• Measurement surface
The background should have a contrasting color for items to be dimensioned, avoid over polished or glossy surfaces for best performance

• Indicator
Beep and LED

VMScan

Device: VM600   IP: 192.168.1.92

- Initial Setup
- Start measuring
- Demo display
- Suspend

VMScan | Device Info | View Eula | About | Home | Date-Time: 2023-05-10 10:26:16

Dimension Unit: cm

Length:	33.8
Width:	23.4
Height:	10.4
L+W+H:	67.6
Volume:	8225.57

*Weight Factor: 5000   Weight Unit: kg
*DIM Weight: 1.65
Scale Weight: _._

Barcode:

Remove   Manually Trigger

*Volume and Dimensional Weight outputs are for information only and are not certified measurements.
*Dimensional weight will be BLANK if no weight factor is set.

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