VM200

Volume and Multi-dimensional Measurement Reader

SCANTECH ID®
CHAMPTEK Group

Introduction

Scantech-ID's VM200 is a compact and robust handheld multi-dimensional measuring device, its intuitive reading, unmatched fact performance and optimal price make it the best choice in the market.

VM200 is a easily carry device, with its intelligent reading zone detection and smart guiding aimer will alarm continuous beeps with flashing red LED when no object is detected inside the good reading zone which leads customers to measure very intuitively and quickly. Furthermore, with its configurable buttons allow the operation flow best fit the application that enables customers to optimize various multi-dimensional measurement applications, quickly and effectively.

Whether it is a courier and express delivery company, a post office, a shipping station, a retail ship-from-store location, an airport check-in counter, an inbound station of a warehouse, the VM200 system provides an efficient way to achieve quick measuring and space optimization. The VM200 system instantly and accurately measure the dimensions of an object. This optimally priced dimensioning device provides quick return on investment for applications where the previous alternative was a tape or a ruler measure. Manual tape measurements resulted in lower accuracy, inconsistency and reduced productivity. VM200 built in both 2D barcode and 3D measurement readers, make it a compact device to support multiple functions application and save customer's deployment space.

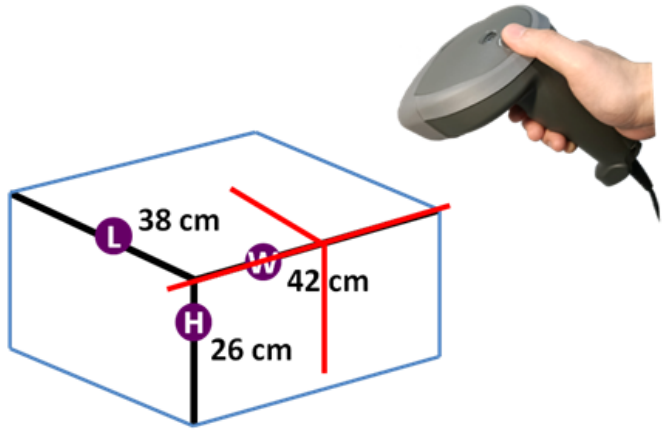
The VM200 device increases accuracy, consistency and user productivity in various applications – increasing revenue capture, reducing shipping chargebacks and throughput bottlenecks, and optimizing storage space, workflow and load planning. VM200 is a must-have and best choice for companies looking to measure packages, cartons, and objects to optimize its workload, workflow and space.

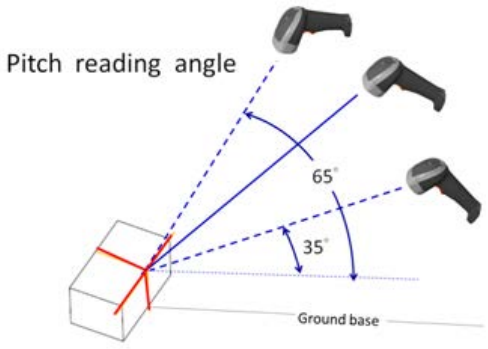
Features

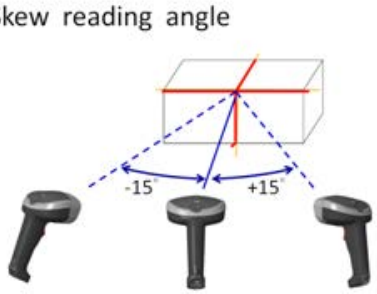
- Easily handheld and carry, measure cuboidal and irregular shapes
- No extra ruler and no self pre-calibration needed
- Intelligent reading zone detection and patenting smart guiding aimer leads the measuring very quickly
- Intuitive reading and unmatched fact performance
- Multi-function reader: 3D volume measurement and 2D Barcode reader in a device
- Data output : W-H-L, sum dimension , volume and dimensional weight or barcode data
- Measurement time: less than 1 second
- Min. 10cm cube, Max. 60cm cube
- Accuracy: less than ±1cm deviation
- Ambient lighting: 0 to 3000 Lux. , avoid direct sunlight
- Package color: all opaque packaging except black, very glossy and transparent
- 2 buttons consist in 6 optional operation settings to well fit your application
- Communication interface: USB or RS-232
- Tools and command protocol

VM200

The smart "+" guiding aimer







Specification

- **Physical Characteristics**

Physical Dimensions	
VM200 (WxLxH)	W11.5 x H7 x L18 cm (W3.45 x H2.1 x L5.4 inches)
Weight (g/oz)	280 g (9.88 oz)

- **Electrical Characteristics**

Input Voltage	DC 5V
Power consumption (Typ.)	Standby 225mA, Operating 465mA
Host System Interface	USB or RS-232 wired cable

- **Aimer Specifications**

Wavelength	650±10nm Red VLD IEC
Classification	60825-1:2014 Class 1

- **Performance Specifications**

Field of view	Horizontal 52°, Vertical 30°
Shape	Cuboidal and irregular shapes
Accuracy	d=1, less than ±1cm deviation (OIML d=2)
Measurement time	Less than 1 second
Object size	
Min. cube	10 cm / 0.394 inches cube (OIML 20cm cube)
Max. cube	60 cm / 23.62 inches cube (OIML)
Color	All opaque packaging except black, very glossy and transparent
Measurement angle	Pitch: 35° ~ 65°, Skew : ± 15°
Measurement surface	No black, transparent or very shining background

Indicator	Beep and LED (Green, Red and Orange)
Certification	CE, FCC, LVD, OIML and MID certification

- **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 3000 lux, avoid direct sunlight
Sealing protection	IP54

- Tools and SDK

Configuration tool	VMSet
Data viewer tool	VMView
SDK	Communication command protocol

Due to Champtek's / Scantech ID's continuing product improvement programs, specifications and features are subject to change

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