



VM200

Handheld Wireless Volume Measurement Reader

Introduction

The VM200 is a compact and robust wireless handheld multi-dimensional measuring device, easily to transmit its dimensioning data to a Bluetooth enabled mobile devices or PDA. its intuitive reading, unmatched fast 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. It will also alarm continuous beeps with flashing red LED when no object is detected inside the good reading zone which leads customers to perform measurement very intuitively and quickly. Furthermore, with its configurable buttons allow the operation flow to best fit your various multi-dimensional measurement applications 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. 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, makes it a compact device to support multiple functions application and save customer's deployment space.

VM200 is a must-have and best choice for companies looking to measure packages, cartons, and objects to optimize its workload, workflow and space; it increases accuracy, consistency and user productivity in various applications.

Features

- Easily hand carry, measure cuboidal and irregular shapes
- No extra ruler and self pre-calibration needed
- Intelligent reading zone detection and patented smart guiding aimer leads the measuring very quickly
- Intuitive reading and unmatched fast performance
- Built in 3D volume measurement and 2D Barcode reader 2 application in one device
- Innovative power charge by magnetic connector
- Data output : W-H-L and sum dimension values, volume and dimensional weight or barcode data
- Measurement time: less 1 second
- Min. 10cm cube, Max. 60cm cube
- Accuracy: d=1, less than ± 1 cm deviation (OIML d=2)
- Ambient lighting: 0 to 3000 Lux. , avoid direct sunlight
- Package color: all opaque packaging except black, very glossy and transparent
- 2 buttons consist in 2 optional operation settings to well fit your application
- Communication interface: USB or Bluetooth
- Tools and command protocol

VM200

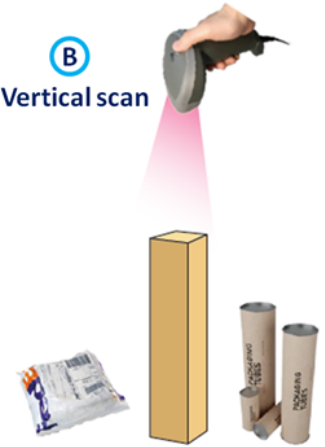


A
Pitch scan



Horizontal placement on the longer side of the box

B
Vertical scan



Irregular shapes and vertical placement on the longer side of the box

Specification

Physical Characteristics

Dimension (W/D/H)	
Device on Cradle	120.0 W x 137.0 D x 204.4 H mm
Device	120.0 W x 83.0 D x 196.7 H mm
Cradle	119.9 W x 136.9 D x 92.1 H mm

Weight (g/oz)

Device on Cradle	550g (19.4oz)
Device	340g (11.99oz)
Cradle	210g (7.41oz)

Electrical Characteristics

Voltage Battery	Li-Ion 3.6V 3350mAh
Power consumption (Typ.)	Standby 300mA, operating 980mA
Recharge time	Approx. 2.5~6 hours in different charging mode
Reads per charge	2,500 times continuous reads in 5 seconds reading duration or approx. 3.5 hours operation, you can place the device on its charging cradle to recharge once you are not measuring can extend its operation to more than 8 hours.

Aimer Specifications

Wavelength	650±10nm Red VLD
Classification	IEC 60825-1:2014 Class 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 3000 lux, avoid direct sunlight
Sealing protection	IP54

Performance Specifications

Field of view	Horizontal 50°, Vertical 74°
Shape	Cuboidal and irregular-shaped parcels
Accuracy	d=1, less than ±1cm deviation (OIML d=2)
Measurement time	Less 1 second
Object size	
Min. cube	10 cm cube
Max. cube	60 cm cube
Color	All opaque packaging except black, very glossy and transparent
Measurement angle	Pitch: 35° ~ 65°, Skew : ± 7°
Measurement surface	No black, transparent or very shining background
Indicator	Beep and LED (Green, Red and Blue)
Certification	CE, FCC, LVD, OIML/MID certification

Radio Characteristics

Bluetooth Module	Bluetooth 5.2
Frequency Band	2.402GHz~2.480GHz
RF Output Power	under 12dBm

Tools and SDK

Configuration tool	VMSet
Data viewer tool	VMView
SDK	Communication command protocol