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SCANTECH VM200BT Handheld Wireless Volume Measurement Reader User Guide

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Introduction

The VM200BT is a compact and robust wireless handheld multi-dimensional measuring device, its intuitive reading; unmatched fast performance and optimal price make it the best choice in the market.

VM200BT 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.
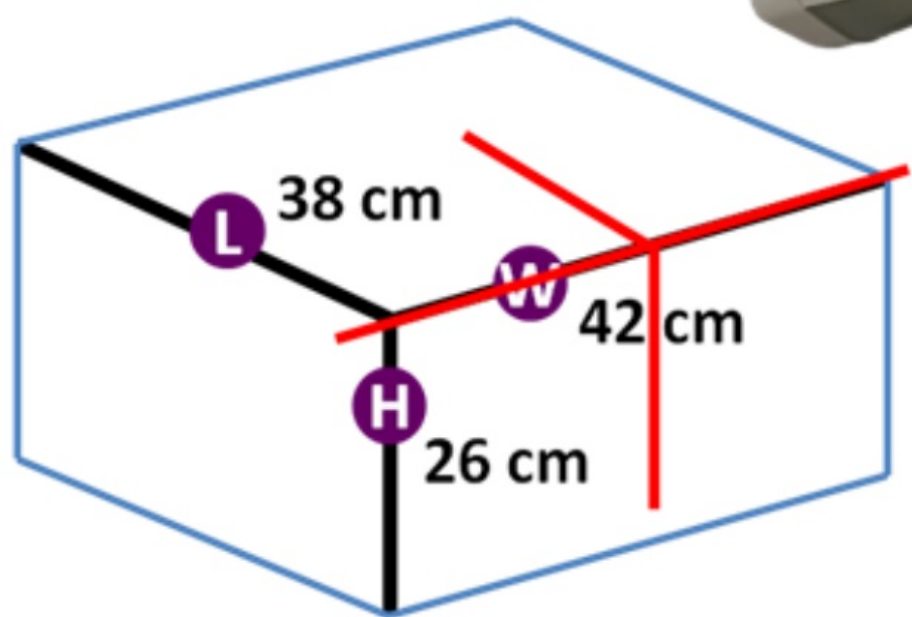
Whether it is a courier and express delivery company, a post office, a shipping station, a retail ship-from-store location, an airport check-in counter, an inbound station of a warehouse, the VM200BT system provides an efficient way to achieve quick measuring and space optimization. This optimally priced 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. VM200BT 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.

VM200BT 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.
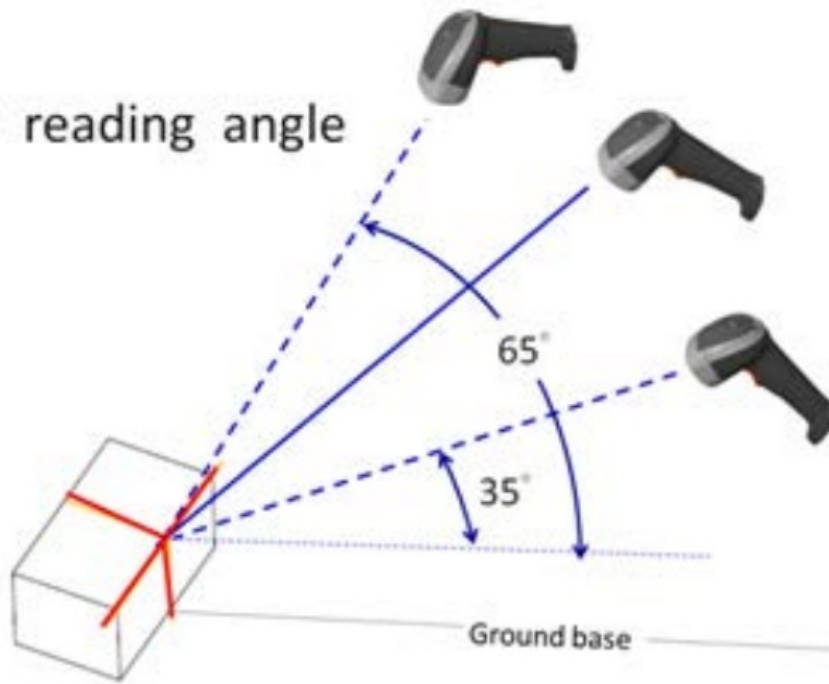
Features

- 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 Features
- Intuitive reading and unmatched fact performance
- Hybrid functions reader: 3D volume measurement and 2D Barcode reader in a 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. 80cm cube
- Accuracy: d=2, less than ±2cm 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
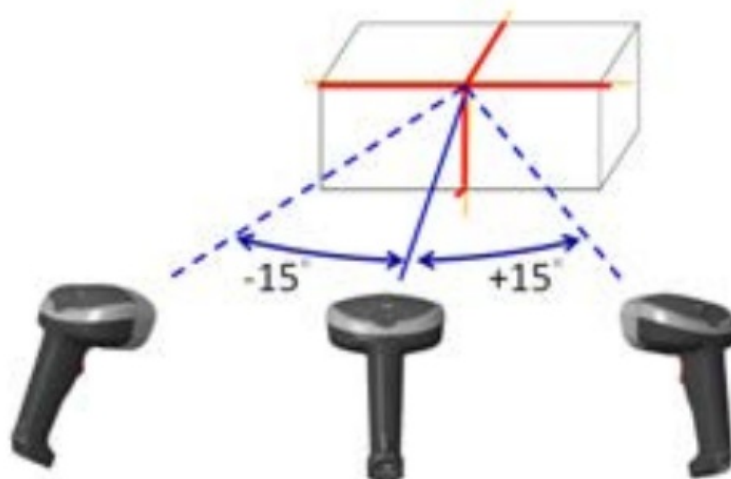- Communication interface: USB or RS-232
- Tools and command protocol

Dimensions

L 38 cm

W 42 cm

H 26 cm

Pitch reading angle

65°

35°

Ground base

Skew reading angle

-15°   +15°

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 3.7V/2600mA

  Power consumption (Typ.) Standby 230mA, Operating 490mA

Recharge time Approx. 5 hours

Reads per charge 4,000 times in 5 seconds duration continuous reads or approx. 5 hours operation, recommend to place the device on cradle to do recharging once you are not measuring to extend for more than 8 hours operation.

- **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, noncondensing

  Ambient light 0 to 3000 lux, avoid direct sunlight

  Sealing protection IP54

- **Performance Specifications**

  Field of view Horizontal 52°, Vertical 30°

  Shape Cuboidal and irregular shapes

  Accuracy d=2, less than ±2cm deviation

  Measurement time Less than 1 second

  Object size

  Min. cube 10 cm / 0.394 inches cube (OIML 20cm cube)

  Max. cube 80 cm / 31.5 inches cube (OIML 60cm cube)

  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/MID certification, apply NTEP certificate

- **Radio Characteristics**

  Bluetooth Module Bluetooth V2.1 EDR

  Frequency Band 2.402GHz~2.480GHz

  Transmission Range Up to 80M (262.47FT.) line of sight in open space

  RF Output Power Class 1 (under 20dBm)

- **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

Customer Support

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Documents / Resources

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