VM200BT

CHAMPTEK
We value your ID's

Wireless Volume and Multi-dimensional Measurement Reader

Introduction

Scantech-ID's VM200BT is a compact and robust wireless handheld multi-dimensional measuring device, its intuitive reading, unmatched fact 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 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 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. The VM200BT 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.
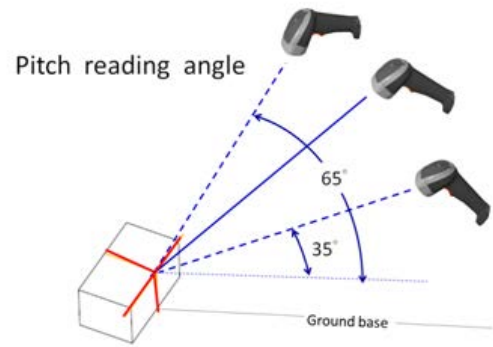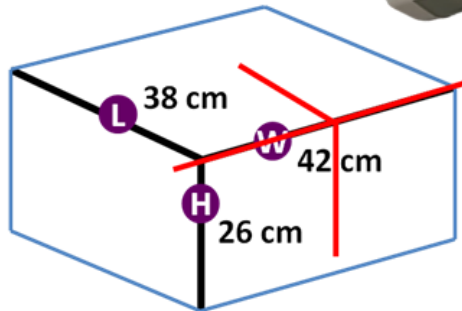
The VM200BT device increases accuracy, consistency and user productivity in various applications – increasing revenue capture, reducing shipping chargebacks and throughput bottlenecks, and optimizing storage space, workflow and load planning. VM200 is a must-have and best choice for companies looking to measure packages, cartons, and objects to optimize its workload, workflow and space.
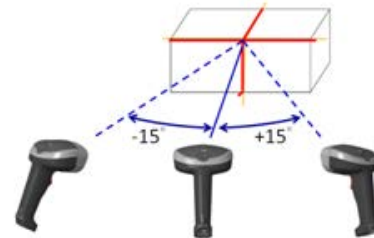
Features

- Easily hand carry
- 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

VM200BT

The smart "+" guiding aimer

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 IEC
Classification	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 52°, Vertical 30°
Shape	Cubic and cuboid package / carton
Accuracy	d=2, less than ±2cm deviation
Measurement time	Less 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, apply OIML/MID and NTEP certification

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