Kreski

VM200BT

Handheld Wireless Volume Measurement Reader

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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.
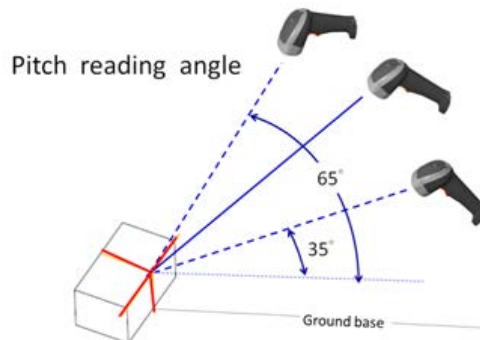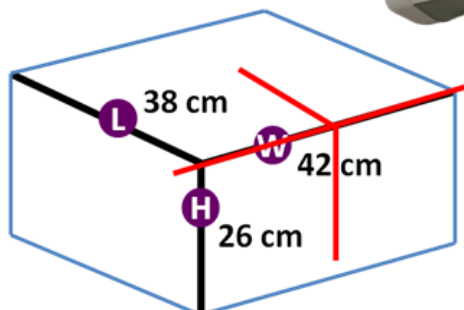
Features

- 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. 60cm cube
- Accuracy: d=1, 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
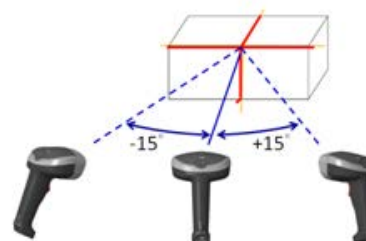- Tools and command protocol

VM200BT

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The smart "+" guiding aimer

Pitch reading angle

65°

35°

Ground base

Skew reading angle

-15° +15°

L 38 cm
W 42 cm
H 26 cm

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, non-condensing
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=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
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, VM200-OIML/MID 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

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