



# VM200

## Volume and Multi-dimensional Measurement Reader

SCANTECH ID<sup>®</sup>  
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.

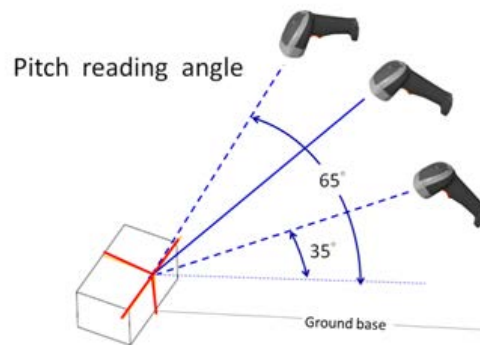
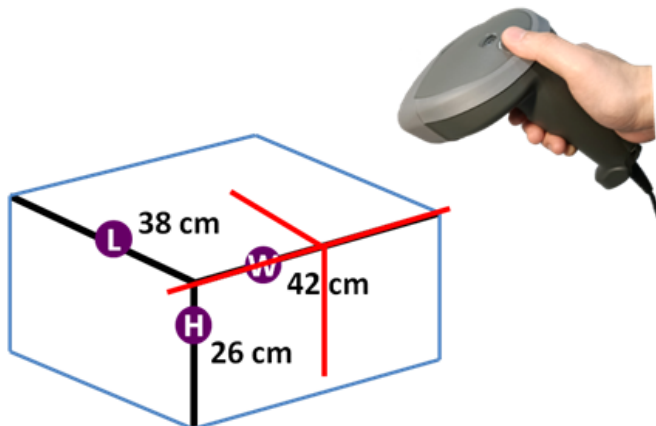
The VM200 device increases accuracy, consistency and user productivity in various applications – increasing revenue capture, reducing shipping chargebacks and throughput bottlenecks, and optimizing storage space, workflow and load planning. VM200 is a must-have and best choice for companies looking to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

### Features

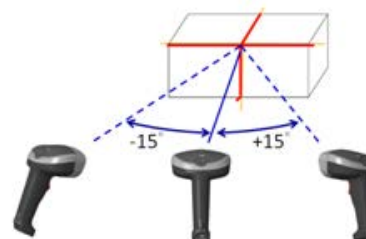
- Easily handheld and carry
- No extra ruler and no self pre-calibration needed
- Intelligent reading zone detection and patenting smart guiding aimer leads the measuring very quickly
- Intuitive reading and unmatched fact performance
- Multi-function reader: 3D volume measurement and 2D Barcode reader 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. 80cm cube
- Accuracy: d=2, less than  $\pm 2$ cm 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



Skew reading angle



## 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

### 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 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, apply OIML/MID and NTEP certification

### 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