



# VM200/VM100

## Volume and Multi-dimensional Measurement Reader

SCANTECH ID<sup>®</sup>  
CHAMPTEK Group

### Introduction

The Scantech-ID VM200/100 is a compact, robust handheld multi-dimensional measuring device, its intuitive reading, unmatched fact performance makes it the best choice in the market.

VM200/100 is a handheld device. The smart guide aimer enables the user to scan the volume of a box quickly and accurately.

The VMSet utility allows you to configure the trigger and button to best fit your operational needs and application. The VM200/100 system is an efficient way to achieve quick measuring and space optimization. The VM200/100 system instantly and accurately measure the dimensions of an object.

The VM200 has a place in most environments such as warehousing, logistics, couriers and shipping stations. It is especially useful for new products where the box measurements and volume need to be recorded. The VM200 will also scan the Manufacturers Part number barcode.

The VM200 can be integrated into your ERP and will scan directly into you Manifest.

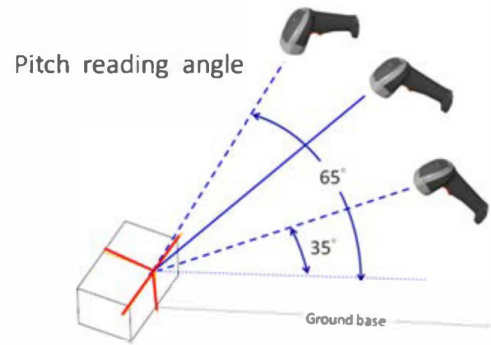
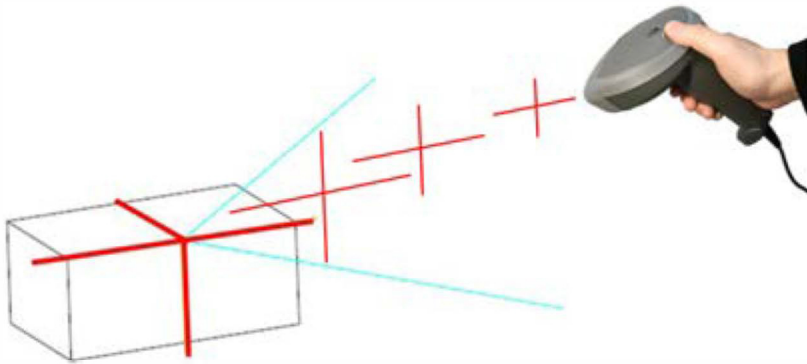
Measuring a box with a tape is inefficient and often inconsistent, the VM200 will increase productivity and accuracy. .

### Features

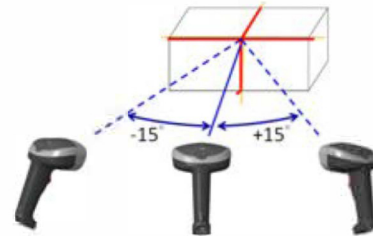
- Handheld
- No ruler and no pre-calibration
- Patented smart guiding aimer to for easy aiming
- Intuitive reading and unmatched fact performance
- Multi-function reader: 3D volume measurement and (optional) 2D Barcode reader in one device
- Data output : Volume and W-H-L dimension data, dimensional weight , optional barcode
- Measurement time: less than 1 second
- Min. cube: 10cm , Max. cube: 90cm
- Accuracy: less than 3% deviation
- Ambient lighting: 0 to 15000 Lux. , avoid direct sunlight
- Package color: all opaque packaging except whole black and transparent
- 2 buttons with 4 optional configuration settings
- Communication interface: USB, USB Comm or RS-232
- Tools and command protocol

# VM200/VM100

The smart “+” guiding aimer



Skew reading angle



## Specification

### Physical Characteristics

#### Physical Dimensions

VM200/100 (WxLxH) W11.5 x H7 x L18 cm  
(W3.45 x H2.1 x L5.4 inches)

Weight (g/oz) 270 g (9.52 oz)

### Electrical Characteristics

Input Voltage DC 5V

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 -10°C to 50°C (14°F to 122°F)

Storage Temperature -20°C to 70°C (-4°F to 158°F)

Relative Humidity 0 to 95% relative humidity, non-condensing

Ambient light 0 to 15000 lux, avoid direct sunlight

Sealing protection IP54

### Performance Specifications

Field of view Horizontal 52°, Vertical 30°

Shape Cubic and rectangular package / carton

Accuracy Less than 3% deviation

Measurement time Less than 1 second

#### Object size

Min. cube 10 cm / 0.394 inches cube

Max. cube Object 90 cm / 35.4 inches cube

Color All opaque packaging except black and transparent

Measurement angle Pitch: 35° ~ 65°, Skew : ± 15°

Measurement surface Avoid to put the box in the background whose color is too close to the box's color, avoid transparent background

Indicator Beep and LED (Green, Red and Orange)

2D barcode reader Built in VM200, not in VM100

Certification Apply OIML and NTEP certification

### Tools and SDK

Configuration tool VMSet

Data viewer tool VMView and sample code

SDK Communication command protocol

Due to Champstek's / Scantech ID's continuing product improvement programs, specifications and features are subject to change