SM100-200

USB Barcode Scanners

With their state-of-the-art technology, SM100 and SM200 barcode scanners provide excellent performance in checkout operations. They are reliable scanners, suitable for a variety of work environments: their features and exceptional price-performance ratio make them the best solution for retail and warehouse applications. SM100 and SM200 have an ergonomic design and are equipped with USB interface. The powerful integrated scanner detects all major 1D/2D barcodes and GS1 DataBarTM symbols, there including damaged or misprinted codes. The devices also reads on display, reducing processing time and labor costs, increasing accuracy as well. Finally, the ScannerSet programing software provides extensive configuration options. SM100 and SM200 are one of the most versatile solutions on the market, the best choice for any retail environment.

CHARACTERISTICS

- **Excellent reading performance** in low light environments and on labels and smartphones
- **Drop resistant** from 180 cm
- Fully configurable with **ScannerSet software**
- **IP41 protection** from water and dust
- **Light and ergonomic**

SM100

- The best price-performance ratio solution on the market for retail and light industrial applications
- Reading depth up to 200 mm
- Support minimum resolution 4 mil/0.1 mm
- Reads most 1D barcode including GS1 Databar codes
- Support USB - VCOM interface
- Facilitates both contact and air 16KV Electrostatic discharge
- Designed for IP41 sealing protection
- Connectable to Android tablets or smartphones with optional cable

SM200

- Excellent Reading Performance for major 1D and 2D barcodes, e.g. of QR codes, even damaged or one finder pattern missing
- The best price-performance ratio solution on the market for retail and POS applications
- Support multiple Interface options, USB HID and Virtual COM
- Facilitates both contact and air 16KV Electrostatic discharge
- Designed for IP41 sealing protection
- Connectable to Android tablets or smartphones with optional cable

MARKETS

- Retail
- Warehousing
- Pharmacies
- Self-checkout
- Hospitality

Follow us

CUSTOM®

TECHNICAL SHEET

	SM100	SM200
PHYSICAL		
Body weight	90 g	
Dimension	65 mm W x 168 mm D x 55 mm H	
ELECTRICAL		
Interface	USB and Virtual COM	
Supply output voltage (Typ.)	+5V±5%	
Current draw operation (Typ.)	242 mA	335 mA
PERFORMANCE		
Light source	visible Red light 632nm LED	White light LED
Sensor	linear sensor	-
Resolution	-	1280(H) x 800 (V) pixels
Width of field	40 mm @ Contact, 10mil/0.25mm, PCS90%	Horizontal –55°, Vertical – 35°
Scan speed	100 scans per second ±10%	60 fps (at full resolution)
Reading Distance	from contact up to 200mm@20mil/0.5mm, PCS90%	250mm@20mil/0.5mm, PCS90%
Print contrast ratio	25%	30%
Barcode resolution	4mil/0.1mm@PCS90%,Code39	3mil/0.076mm@PCS90% Code39, 8mil/0.2mm@PCS90% QRCo...
Reading angle Pitch angle Skew angle	Test Conditions : Code 39, 10mil/0.25mm,PCS90% ±5°~65° ±5°~65°	Test Conditions : Code 39, 10mil/0.25mm,PCS90% ±5°~60° ±5°~60°
Ambient light fluorescent lamp	100,000 Lux. Maximum	
ENVIRONMENTAL		
Operating temperature	0 °C to 50 °C (32 °F to 122 °F)	
Relative humidity	20% to 95% (Non-condensing)	
Readable symbologies	All UPC/EAN/JAN, EAN128 Code, Code39, Code39 Full ASCII, Code32 / Italian Pharmacy, Code128, CODABAR/NW7, Interleave 25, Industrial 25, MSI/PLESSEY, Code 93, China Postage, GS1 DataBar	**1D:** UPC-A, UPC-E, EAN-8/JAN-8, EAN-13/JAN-13, Code 39, Coc... 128, Interleaved 25, Industrial 25,Matrix 25, Codabar/ NW7, Code 93, China Post, MSI/Plessey, Telepen, GS... Databar Omni-directional, GS1 Databar Limited, GS1 Databar Expended. **2D:** Data Matrix, PDF 417, QR Code, Aztec, Micro PDF417,Micro... Code, Dotcode. Opzionale: Maxicode, Han Xin Code
RELIABILITY		
Life time trigger switch	1,000,000 times @1kg ±50g cycles	

www.custom.biz - info@custom.biz   Follow us

	SM100	SM200
Life time MTBF (calculated)	50,000 hours	
Drop	70.86 inches (180cm) drop on Concrete Surface	
Electro-static discharge	Both contact and air at up to 16KV	
Sealing	IP41 water and dust protection	
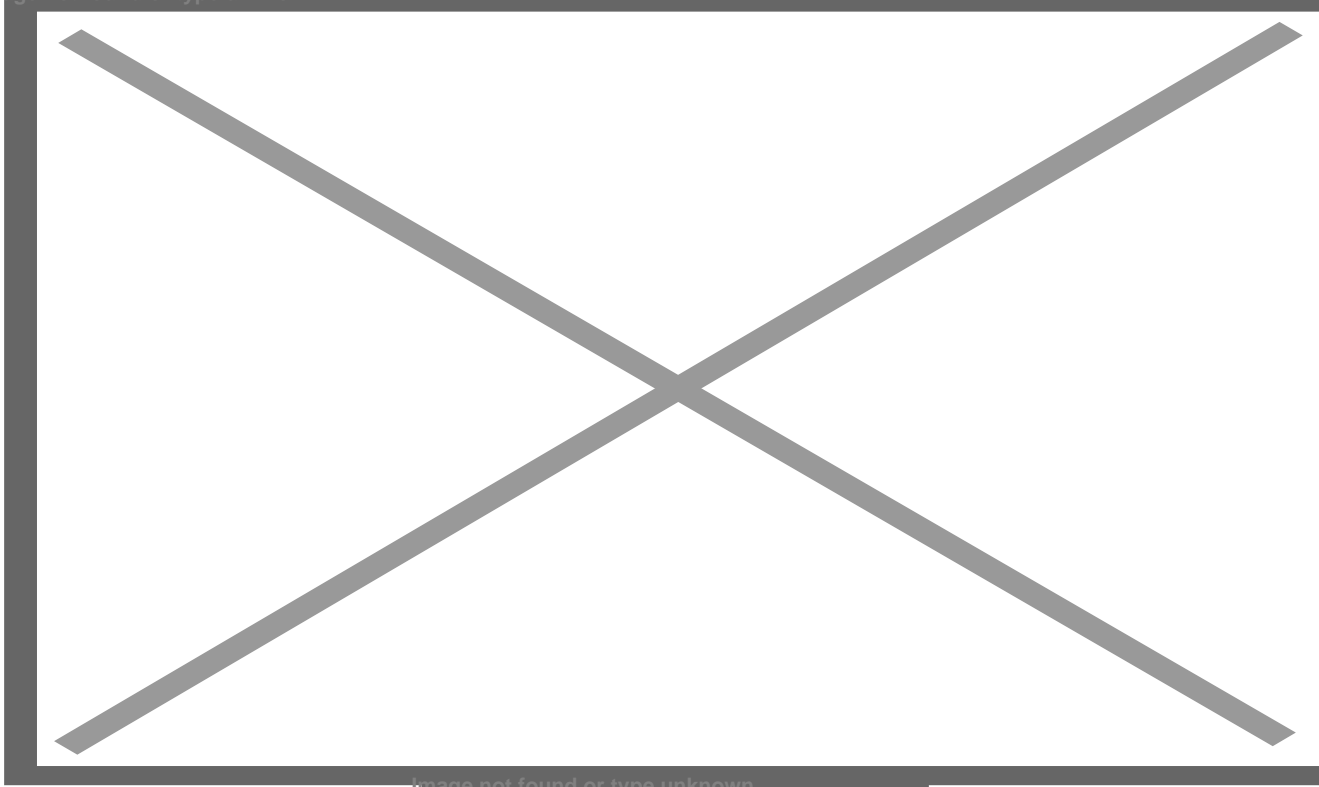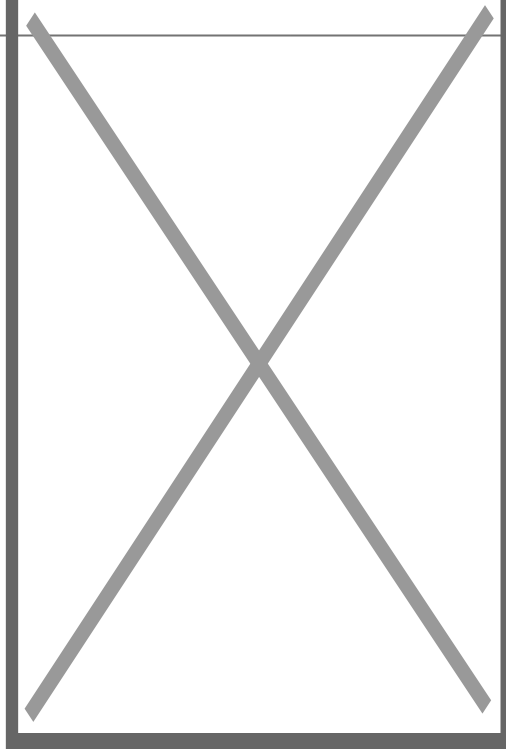
SM100

SM200

SM100   **SM200**

READING RANGE SM200

Barcode mil/Depth of field mm

Reading area
53X34   107X67   160X100   213X134
50
100
150
200

Note: The test is under ambient light 700 ~ 800 Lux.
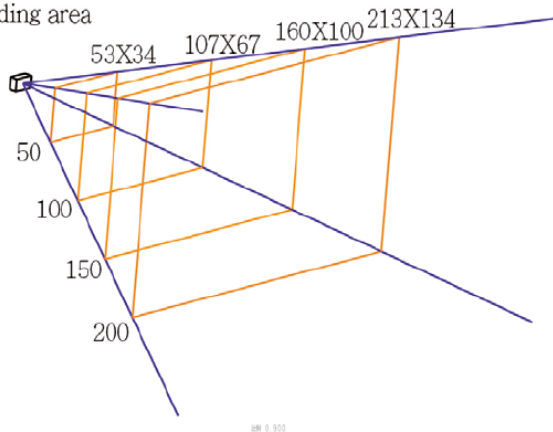
	40~90 mm
3mil Code39	35~95 mm
4mil Code39	30~110 mm
5mil Code39	30~140 mm
6mil Code39	30~160 mm
10mil Code39	30~180 mm
13mil Code39	30~250 mm
20mil Code39	30~160 mm
20mil QR Code	30~110 mm
20mil PDF417	30~160 mm
20mil Data Matrix	

MODELS

994ED042800233
BARCODE SCANNER SM100 1D
USB

995ED040900233
BARCODE SCANNER SM200 2D
USB

The technical data on this website are not binding and may be changed without advanced notice.
Last update: 20 July 2023