



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 DataBar™ 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 programming 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.



CARACTÉRISTIQUES

- **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
-

FICHE TECHNIQUE

	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°
Sacn speed	100 scans per second ±10%	60 fps (at full resolution)
Readind Distance	da contatto fino a 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% QRCode
Readind angle	Test Conditions : Code 39, 10mil/0.25mm,PCS90%	Test Conditions : Code 39, 10mil/0.25mm,PCS90%
Pitch angle	±5°~65°	±5°~60°
Skew angle	±5°~65°	±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, Code 128, Interleaved 25, Industrial 25,Matrix 25, Codabar/ NW7, Code 93, China Post, MSI/Plessey, Telepen, GS1 Databar Omni-directional, GS1 Databar Limited, GS1 Databar Expanded. 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	

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

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SM100

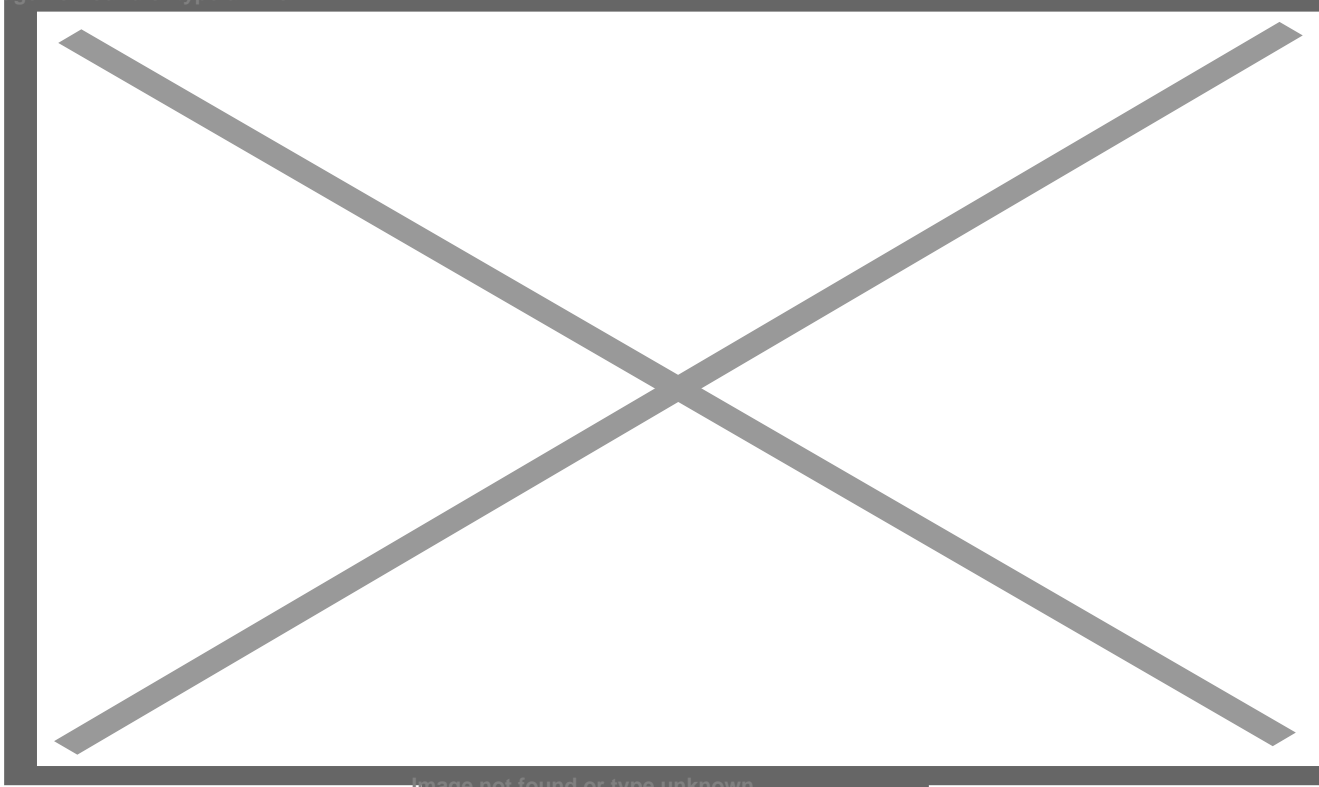
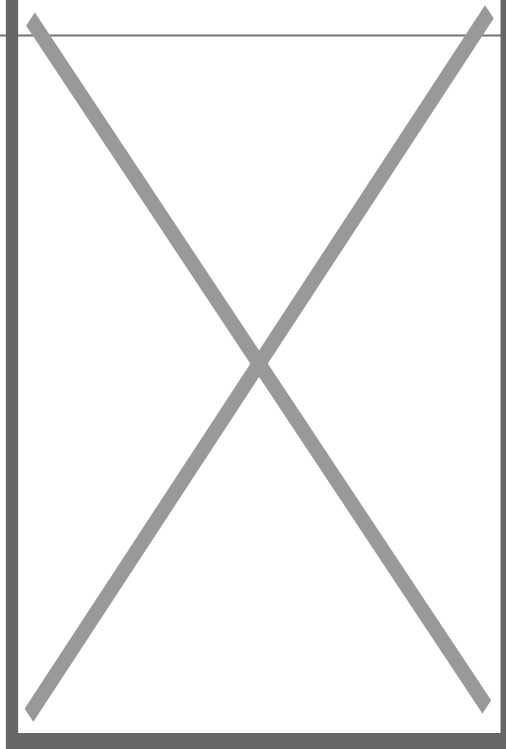


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SM200



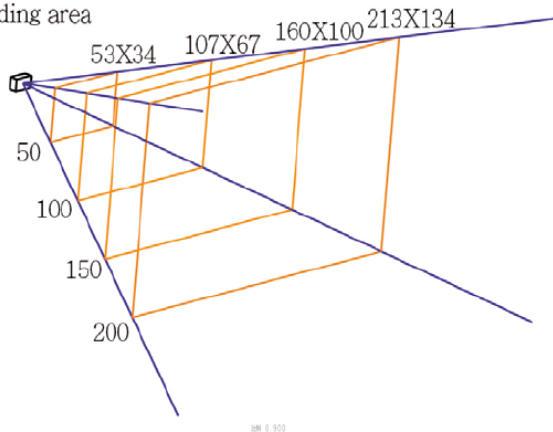
SM100

SM200

READING RANGE SM200

Barcode mil/Depth of field mm

Reading area



	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	30~180 mm
20mil Code39	30~250 mm
20mil QR Code	30~160 mm
20mil PDF417	30~110 mm
20mil Data Matrix	30~160 mm

Note: The test is under ambient light 700 ~ 800 Lux.

MODÈLES



994ED042800233
SCANNER BARCODE 1D SM100
USB



995ED040900233
SCANNER BARCODE 2D SM200
USB

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Dernière mise à jour : 25 mai 2022