

Xenon 1900 & 1902 in ESD Safe Housing

The ESD1900 and ESD1902 are high performance barcode scanners designed for static safe environments. The ESD1900 and ESD1902 housings are coated with conductive material that eliminates the buildup of dangerous static charge on the scanner. They will also drain the charge on another object to which it comes in contact. The conductive paint is a polyurethane enamel with a two component gloss coating that provides a superior appearance, conductivity and durability.

Available in both corded and cordless models, all surfaces of the scanner housing are electrically conductive to the scanner ground wire.

The finish is resistant to common solvents, hand moisture, body oils, IPA cleaning materials, lubricating and cutting oils, and hydraulic fluids.

ESD1900 & ESD1902

Solvent Resistant – resistant to hand moisture, body oils, chemicals, Lubricating and cutting oils, and hydraulic fluids.

Hardness – StaticPaint R (black) dries to a hardness of 2H. Taber abrasion CS 1Q7 wheel with 1000 gram weight, (2.2 lbs.) rubbed 1000 cycles, small rubbing of face material is not noticeable.

Static Paint – Gloss coating that provides superior appearance, conductivity and long lasting durability.



ESD Coated Housing – surface resistivity is less than 1,000,000 Ohms per square, insuring that areas of wear greater than 1 inch square, will still have a reduction of the conductivity to well below 10 to the 11th impedance.

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Xenon 1900 & 1902 ESD Technical Specifications

Specifications

Performance:

Scan Pattern:	Area Image (838 x 640 pixel array)
Motion Tolerance:	Up to 610 cm/s (240in/s) for 14 mil UPC at optimal focus
Scan Angle:	HD Focus: Horizontal 41.4° ; Vertical 32.2° SR Focus: Horizontal 42.4° ; Vertical 33° ER Focus: Horizontal 31.6° ; Vertical 24.4°
Symbol Contrast:	20% minimum reflectance difference
Pitch, Skew:	45°, 65°

Symbologies:

Decode Capabilities:	Reads standard 1D, PDF, 2D, Postal and OCR symbologies Note: Decode capabilities dependent on kit configuration
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Mechanical/Electrical:

Dimensions:	
Length:	4.1 in. (104 mm)
Height:	6.3 in. (160 mm)
Width:	2.8 in. (71 mm)
Weight w/o cord:	5.2 oz. (147 g)
Input Voltage:	4 VDC – 5.5 VDC
Operating Power:	2.3 W (450 mA @5 VDC)
Host System Interfaces:	USB, Keyboard Wedge, RS232, IBM 46xx (RS485)

Environmental:

Temperature:	
Operating:	-0°C to 50°C (32° F to 122° F)
Storage:	-40°C to +70°C
Humidity:	0 to 95% RH, non-condensing at
ESD:	Surface resistivity < 10,000,000 Ohms/sq.

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