



# MS840ESD

## Reliable Scanning at its best

### ESD Protection

Unitech MS840ESD Laser Scanner is a high performance device designed to satisfy the stringent requirements of clean room, static safe manufacturing environments. Constructed with conductive materials, MS840ESD is a versatile scanner to eliminate the build up of dangerous static charge on the scanner, as well as to drain the charge on another object with which it comes in contact. It is a reliable tool to streamline your work flow in manufacturing environments.

### Ergonomic, Durable Design

The rugged MS840ESD not only offers superior extended range performance and versatility for scan-intensive industrial applications, but also it can withstand multiple 1.8-meter drops to concrete. As one of the strongest scanners in its class, the MS840ESD has an IP42 rating, safeguarding it from moisture and dust, and is capable of operating in diverse applications including retail, industrial and commercial services.

### Features

- ESD Coated Housing
- High-performance laser engineered decoder
- Supports all 1D barcodes; including GS1 Data barcode
- Ergonomic design for maximum user comfort
- Multiple scanning modes
- Louder beeper for noisy environment operation
- 1.8-Meter / 6-Foot drop test
- IP42-rated

# MS840ESD

## Handheld Laser Scanner



### Optical & Performance

Receiving Device	Laser engine
Light Source	Visible Laser Diode 650 nm
Max. Resolution	4mil (0.1mm)
Scan Rate	104 scans/second
Scan Angle	47°± 3° (typical), 35°± 3° (narrow)
Printing Contrast Scale	20% Minimum
Reading Distance (DOF PCS=80%)	

Label / DOF	near	far
Code 39, 4mil	2.5cm	13.9cm
Code 39, 5mil	3.18cm	20.32cm
Code 39, 7.5mil	3.81cm	33.02cm
Code 39, 10mil	3.81cm	45.72cm
Code 39, 13mil	3.81cm	60.96cm
Code 39, 15mil	3.81cm	71.12cm
Code 39, 20mil	4.45	83.82cm
Code 39, 40mil	*	91.44cm
Code 39, 55mil	*	114.3cm

\* =dependent on width of bar code

### Functionality

Symbologies	Code 39, Full ASCII Code39, Interleave 2 of 5, Standard 2 of 5, UPC A/E, Delta Code, Label Code, MSI/ Plessey, Codabar, Code 11, EAN8/13, Code 93, Code 128, EAN128, Code32, Toshiba Code, GS1 databar Code.
Operation Mode	Trigger Mode, Flash Mode, Multiscan Mode, One Press One Scan Mode
Data Formatting	Prefix, Suffix, Code ID, Reformatting Date
Function Keys	PC, Macintosh and IBM Terminal Keyboard

### Electrical

Operation Voltage	DC 3V to 5V
Current Consumption	Operation mode: <91mA , Standby mode: <26mA

### Mechanical

Dimension	176*74*89mm
Weigh	157g(without cable)
Switch life	10 million time

### Environmental

ESD Protection	Functional after 8K Contact and 12K Air
Mechanical Shock	1.8m onto concrete (scanner only)
IP rate	IP42
Operating Temperature	0°C to 50°C
Storage Temperature	-30°C to 70°C
Relative Humidity	5% to 90% non-condensing
ESD < +/- 30V	
Resistivity : $10^5 \leq X < 10^{11}$ ohm/square	

### Communication

Keyboard Wedge, RS232, USB 2.0

### Regulation Approvals

CE, BSMI, VCCI, C-Tick

### Accessories

Hand-free stand  
Interface cable



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