



## MS840

### Rugged Laser Scanner

#### Ergonomic and Smart Design

With its ergonomic, stylish, lightweight enclosure, the MS840 is designed to deliver top-notch performance by optimizing productivity and efficiency. Equipped with a beeper and red/green LED to notify users of scanning status, the MS840 makes reading barcodes in busy working environments easy, and allows users to rest assured that they have captured each and every barcode.

#### Rugged Enough for Industrial Use

The MS840 rugged design can withstand multiple 1.8-meter drops to concrete, thus minimizing downtime due to breakage and lowering the total cost of ownership. As one of the strongest scanners in its class, the MS840 has an IP42 rating, safeguarding it from moisture and dust, and is capable of operating in diverse applications including retail, industrial and commercial services.

#### Reliable and Cost Effective

The MS840 supports a wide range of connectivity options including USB, RS232 and keyboard wedge. Easy and quick user-friendly cable replacement capability minimizes downtime and reduces the total cost of ownership.

#### Main Features:

- High performance engine & 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



### Optical & Performance

Receiving Device	Laser engine
Light Source	Visible Laser Diode 650 nm
Max. Resolution	0.127mm(5 mil)
Skew Rate	100 scans/second
Skew Angle	±50 degrees
Pitch Angle	±35 degrees
Printing Contrast Scale	45% Minimum

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/ Plessy, Codabar, Code 11, EAN8/13, Code 93, Code 128, EAN128, Code32,Toshiba Code, GS1databar 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

Scanner Dimension	6.93"H x 2.91"W x 3.50"D
Scanner Weight	6 ounces (without cable)
Switch life	10 million times

### Environmental

ESD Protection	Functional after 8K Contact and 12K Air
Mechanical Shock	6-ft onto concrete (scanner only)
Operating temperature	0°C to 50°
Storage temperature	-30°C to 70°C
Relative Humidity	5% to 90% non-condensing
IP rate	IP42

### Communication

Keyboard Wedge, RS232, USB 2.0

### Accessories

Hand-free stand  
Interface cable

### Regulatory Approvals

CE, FCC, BSMI, VCCI

### Warranty

3 years



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