

unitech

# MS840

## Rugged Handheld 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.

### Features

- High-performance laser engine and 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 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

### Communication

Keyboard Wedge, RS232, USB 2.0

### Regulation Approvals

CE, BSMI, VCCI, C-Tick

### Accessories

Hand-free stand  
 Interface cable

### What comes in the box

MS840 Scanner  
 Interface cable



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