# 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
- 5 years warranty

## Optical & Performance

| | |
|---|---|
| Receiving Device | laser engine |
| Light Source | Visible Laser Diode 650 nm |
| Max. Resolution | 3 mil |
| Scan Rate | 100 scans/second |
| Skew Angle | ±50 degrees |
| Pitch Angle | ±35 degrees |
| Printing Contrast Scale | 45% Minimum |
| Depth of Field | Code-39 5mil |
| | From 60 ~ 110mm, |
| | Code-39 6mil |
| | From 50 ~ 130mm (± 10mm), |
| | Code-39 10mil |
| | From 50 ~ 230mm (± 30mm), |
| | Code-39 20mil |
| | From 50 ~ 380mm (± 30mm), |
| | Code-39 40mil |
| | From 70 ~ 550mm (± 50mm) |

## 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, 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℃ to 50℃ |
| Storage Temperature | -30℃ to 70℃ |
| 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

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