MS84x ESD series Reliable Scanning at its best

ESD Protection

FIELD

Like the Unitech MS840/MS842 line, the MS84x ESD (Electrostatic discharger) laser or imager is a high performance device but additional designed to satisfy the stringent requirements of cleanrooms and static-safe manufacturing environments.

Constructed with conductive materials the MS84x ESD 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 workflow in manufacturing environments.

Ergonomic, Durable Design

The rugged MS84x ESD 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 MS84x ESD has an IP42 rating, safeguarding it from moisture and dust, and is capable of operating in diverse applications including retail, industrial and commercial services.

Easy to Use

The MS84x ESD supports USB or wireless connectivity. With auto-adapting capabilities, MS84x ESD is easy to install and operate with simple connecting the scanner to the host device. Moreover, User-friendly cable replacement capability minimizes downtime and reduces the total cost of ownership.

MS84x ESD is available in 1D laser or 2D imager (wired or wireless).

Features

- ESD Coated Housing
- High-performance laser engineered decoder
- Supports 1D or 2D 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



Wireless

Wired

v1 MS84x ESD Specifications

- Operational & Performance

Receiving Device Light Source

Max. Resolution Scan Rate Scan Angle Printing Contrast Scale Buzzer volume: Laser engine or CMOS imager sensor 1D: Visible Laser Diode 650 nm 2D: Illumination: LED (626 nm) Aiming: Laser (655nm) 4mil (0.1mm) 104 scans/second 47°± 3° (typical), 35°± 3° (narrow) 20% Minimum 90db

Reading distance (DOF)

Depth of Field Symbology | Density | Near | Far (DOF PCS=80%) Code 39, 4 mils | 2.5 cm | 13.9 cm Code 39, 5 mils | 3.18 cm | 20.32 cm Code 39, 7.5 mils | 3.81 cm | 33.02 cm Code 39, 10 mils | 3.81 cm | 45.72 cm Code 39, 13 mils | 3.81 cm | 60.96 cm Code 39, 15 mils | 3.81 cm | 71.12 cm Code 39, 20 mils | 4.45 cm | 83.82 cm Code 39, 40 mils | x | 91.44 cm Code 39, 55 mils | x | 114.3 cm * = dependents on width of barcode

Symbologies

1D

2D

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.
2D: PDF417, MicroPDF417, Datamatrix, QR
Code, Micro QR Code, Aztec, RSS, Composite,
TLC -39, MaxiCode. Postal: US PostNet, US
Planet, UK Postal, Australian Postal, Japan
Postal, Dutch Postal (KIX).

Function Keys

PC, Macintosh and IBM Terminal Keyboard

Power Source

Unitech Europe

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

- Data Formatting

Prefix, Suffix, Code ID, Reformatting Date

Enclosure

Scanner dimension Scanner weight Switch life 176mm x 74mm x 89mm 157g (without cable) 10 million times

- Environmental ESD Protection

Mechanical Shock IP Rate Operating Temperature Storage Temperature Relative Humidity Functional after 8K Contact and 12K Air 1.8m onto concrete IP42 0°C to 50°C -30°C to 70°C 5% to 90% non-condensing

- Safety

ESD < +/-30VResistivity : $10^5 \leq X < 10^{11}$ ohm/square

Operation modes

Trigger Mode, Flash Mode, Multiscan Mode, One Press One Scan Mode

- Connectivity

USB cable or Wireless

- Accessories Hand-free stand
 - Interface cable

Regulatory approvals CE, FCC, BSMI, VCCI

Warranty 1 year

because we care

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Unitech China

Unitech Europe

Unitech Japan

Unitech Taiwan

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