MS84x ESD

Reliable Scanning at its best

ESD Protection

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. unitech's MS84x ESD-safe scanner is made by internal mixed way with antistatic agent to protect MS84x series to be ESD safe to be used at ESD protected area including its cable. The body of the product and its cable can withstand ESD up to $10^9 \sim 10^{10}$ ohms per square and no containing of Chlorine material. The Internal mixed way can provide longer time of ESD protection than external addition way due to external additional anti-static in the latter part of the packaging or processing process was wiped away. Internal mixed antistatic agent can continue to add antistatic agent to the plastic surface, to make up the surface due to wipe and the amount of antistatic agent consumed. It is a reliable tool to streamline your workflow in manufacturing environments.

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.

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.

Features

- Withstands ESD up to $10^9 \sim 10^{10}$ ohms per square
- 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

unitech
because we care

MS84x ESD
1D or 2D Electrostatic Discharger Scanner

Item	MS840 ESD	MS840P ESD	MS842 ESD	MS842P ESD
Data capture	Laser		2D Imager	
Connectivity	Corded	Unlicensed 2.4GHz (Wireless)	Corded	Unlicensed 2.4GHz (Wireless)
Range		10M(line of sight)		10M(line of sight)
Max. Resolution	4mil (0.1mm)		SR: 5 mil (code 39), 6.7 mil (PDF417) HD: 3 mil (code 39), 4 mil (PDF417)	
Light source	Visible laser diode at 650 nm		Illumination : 625 nm LED Aiming : 655 nm VLD	
PCS	20% Minimum			
Depth of field	3.5 to 38 cm / 1.4 to 15 in.		Code 39 5 mil: 5.3 to 19.1 cm (SR) PDF417 6.7 mil: 8.6 to 18 cm (SR) Code 39 3 mil: 4.1 to 9.7 cm (HD) PDF417 4 mil: 4.6 to 8.9 cm (HD)	
Scanning angle	47°± 3° (typical), 35°± 3° (narrow)		Pitch ± 60°, Skew ± 60°	
Operation Mode	Trigger Mode, Presentation Mode	Trigger Mode, Flash Mode, Presentation Mode, Buffer mode	Trigger Mode, Presentation Mode	Trigger Mode, Flash Mode, Presentation Mode, Buffer mode
Communication	USB	USB(via Cradle or dongle)	USB	USB(via Cradle or dongle)
Barcodes supported	Code 39, Full ASCII Code39, Interleave 2 of 5, Standard 2 of 5, China Postal, UPC, Delta Code, MSI, Plessy, Codabar, Code 11, EAN8/13, Code 93, Code 128, EAN128, Code32, Italian Pharmacy, Label Code,GS1 databar code		1D: 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)	
Battery Capacity	N/A	1620mAh	N/A	1620mAh
Operating Time	N/A	Over 10 hours	N/A	Over 10 hours
Mechanical Shock	1.8m onto concrete (scanner only)			
IP rate	IP42			
Accessories	Hand-free stand Interface cable	Cradle, Dongle, Battery pack Power adapter, USB cable	Hand-free stand Interface cable	Cradle, Dongle, Battery pack Power adapter, USB cable

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