



# MS849

## Rugged Handheld Laser Scanner



Unitech's handheld laser scanner MS849 provides for greater productivity and efficiency with its fast and accurate scanning engine and rugged design. The MS849 reads GS1 DataBar bar codes and features a variety of reliable and aggressive performance features that ensure its capability in various applications, such as warehousing, retail and healthcare.

### **Reads GS1 DataBar Codes**

With its powerful and reliable laser scan engine, the MS849 is able to decode GS1 DataBar symbologies, including limited, omnidirectional, stacked omnidirectional, stacked, expanded, expanded stacked and truncated, and delivers fast and accurate scanning performance.

### **Flexible and Cost Effective**

The MS849 supports OPOS drivers, which makes set up and configuration fast and easy and ensures efficient performance in many retail applications including inventory, bill tracking and customer service. This cuts costs by reducing installation time and maintaining worker productivity. The interchangeable cable design allows users to change interfaces by simply replacing a cable.

### **Rugged and Reliable**

The MS849 resists multiple 1.5 meter drops to concrete, minimizing downtime due to breakage and lowering the total cost of ownership. Although tough enough to handle industrial use, the MS849 is lightweight and ergonomically designed making it comfortable and easy to use, even for long periods of time. The ESD protection guarantees the device can withstand 8KV Contact and 12KV Air electro-static discharge.

### **Features**

- Laser scan engine
- Reads GS1 DataBar symbologies
- Supports OPOS drivers
- Auto-detect interface
- Supports USB, Keyboard Wedge, RS232
- Fireproofing Enclosure
- IP42 Rated
- 1.5 Meter Drop Threshold

### ► Performance/Optical

Receiving Device	Phone diode
Light Source	650nm Laser diode
Max. Resolution	4 mil
Scan Rate	90 scans/second
Skew Angle	30 degree
Pitch Angle	60 degree
Printing Contrast Scale	90%

### ► Depth of Field

Reading Distance	33-55mm(4 mil Code 39) 30-70mm(5 mil Code 39) 20-180mm(10.4 mil EAN) 30-250mm(15.6mil EAN)
Width of Field	Code 39 : 230mm / 0.9 (40 mil)
Operation Mode	Trigger Mode, Flash Mode, Continuous Mode

### ► Symbolologies

Codabar, Code 39, Code93, Code 128, Industrial 2 of 5, Interleave 2 of 5, Matrix 2 of 5, MSI, Pharmacodes, Plessey, 4, Telepen, All UPC/EAN, DataBar-limited, DataBar-Omnidirectional, DataBar-Stacked Omnidirectional, DataBar-Stacked, DataBar-Expanded, DataBar-Expanded Stacked, and DataBar-Truncated

### ► Electrical

Operation Voltage	DC 5V+ _5%
Standby current	55mA~65mAA
Working current	135mA~145mA

### ► Environmental

Operating Temperature	0°C to 50°C
Storage Temperature	-20°C to 60°C
Relative Humidity	20% to 85% non-condensing
ESD Protection	8kv contact/12kv air
IP Rate	IP42 Rated
Drop test	1.5Meter / 5-Foot Drop Threshold

### ► Communication

USB(HID), RS232, K/W

### ► BCR Mechanical

Dimensions	L100xW70xH180 mm
Weigh	110g (scanner only)

### ► Regulatory Approvals

FCC Class A, CE, BSMI

### ► Accessories

Cable, Stand, Holder



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