



# MS180

## Bar Code Scanner



### Application

The Unitech MS180 is a reliable and affordable bar code scanner for retail, medical and light industry application.

### Reliable yet Affordable

The MS180 Bar Code Scanner is a reliable yet affordable scanner.

The ergonomic design makes the scanning process easier and comfortable.

The MS180 is rugged designed to withstand multiple 5 feet drops to concrete.

### Interface

The MS180 flexible, multiple interface design supports keyboard wedge, USB, RS232 and Wand emulation by simply replacing the cable.

The IBM PC XT/AT keyboard wedge interface supports different character sets.

### Decoders

The MS180 is equipped with built-in decoder reads and discriminates all major symbologies, it helps you to reduce processing time and labor cost yet increase accuracy.

### Features & Benefits

- CCD Scanning for Reliability
- Ergonomic Design for Operator Comfort
- Multiple Interfaces for Compatibility
- Affordable Pricing

### Operational

Scan rate:	33 scans / sec
Decode rate:	200 scans / sec
Printing contrast scale:	Minimum 45 %
Resolution:	0.1 mm at contact, PCS = 45 %
Depth of field:	PCS=90% 0 ~ 16 mm on 4/5/6/10/13 mils 0 ~ 25 mm on 40 mils
Width of field:	80mm (PCS=90%, 1 mm codes, from 0 to 50 mm distance)
Scan angle:	30 °~ 150 °
Operation modes:	Trigger, Flash, Multi-scan, continuous and One Press one Modes
Interfaces:	Keyboard wedge, USB, RS232, Wand emulation and TTL
Connectivity	IBM PC XT/AT or comparable, PS/2, Notebook, MAC and other common terminals
Symbologies:	Code 39 Standard and Full ASCII, Codabar, UPC/EAN with supplement codes, UCC/EAN128, Interleaved 2 of 5, MSI/Plessey code, Standard 2 of 5, China Postal, Code(Toshiba Code), Label Code IV and V, Delta Distance code, Code93, Code128, Code32(Italian Pharmacy).

### Optical

Receiving Device:	2160 Element linear imager
Light source:	660 nm visible red LED

### Electrical

Power supply:	5 VDC ±5 %
Operating current:	100 ±5 mA @5V (Keyboard Wedge)
Standby current:	21 ±3 mA @ 5V (Keyboard Wedge)
Switch Life Time:	Over 1million times micro switch
Beep Sound Volume:	≥ 70dB

### Mechanical

Housing material:	30%PC + 70% ABS, UL94U0
Outline shape:	Steamline Handy Type with Unitech logo
Connector type:	RJ-45 phone jack
Weight:	125g (w/o cable)
Dimension:	L 190 x W 88 x H 50 mm

### Environmental

Operating temperature:	0° C ~ 50° C
Storage temperature:	-20° C ~ 60° C
Relative humidity:	20% RH ~ 85% RH
ESD protection:	8KV contact, 12KV Air discharge
Mechanical shock:	1.5 M to concrete (10 times)
Safety Approval:	CE, FCC Class A, BSMI



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