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EMPOWERING SOLUTIONS

MS146
Barcode
Slot
Reader

MS146 – rugged, flexible & cost effective

The MS146 is a flexible, cost effective solution when you demand a reliable and rugged slot reader. With a resolution of up to 6 mils (0.15 mm), the MS146 is capable of reading any bar coded identification badge.

It's sealed optical system is available in both visible light or infrared. The infrared units ensure accurate reading of either visible and laminated badges. Because of its IP54 rating (dust and splash water protected) the MS146 reads your badges in harsh and industrial environments without degrading its performance.

An optional mounting bracket is available to safely secure the unit in any direction.

Decoded versions are easy to use and configure. All decoded MS146s can be configured with Scanner Configuration Manager Software. And configurations can be duplicated in other units by generating custom setup labels.

Main Features

- IP54 dust and splash water protected
- Available in PS/2, RS232, USB, TTL (Undecoded) interfaces
- Reads most popular bar code symbologies
- Easy to use and configure
- 50 mm to 750 mm/sec Scan Rate
- 6 mil minimum resolution
- Reads visible and laminated barcode labels
- Advanced Data Editing
- Rugged, lightweight housing
- Wide slot allows thicker badges
- Multi Directional reading
- 2 year warranty

Performance

Light Source Infrared	930 nm LED (MS146I)
Visible light	660 nm LED (MS146)
Sensor	Photo diode
Depth of field	2 mm
Resolution	6 mils (0.15mm) min.
PCS	0.6 mm
Scan Rate	2.0" (50 mm) to 30" (750 mm)/sec.
M.T.B.F.	25000 hours

Mechanical and Electrical

Dimensions	Lenghth 3.75 Inches (95mm)
	Width 1.375 Inches (35mm)
	Height 1.875 Inches (30mm)
Weight	6.7 oz. (190g) with cable
Digital Output	Open collector, black = high level (TTL)
Power consumption	35 mA for TTL @5V DC 5%
	70mA for Decoded version
Cord	6.0 ft. (1.83m)

Interface

Symbologies	Code 39 standard and full ASCII, EAN-13, UPC-A, EAN-8, UPC-E, standard 2 of 5, Code 128, Code 93, MSI, Code 11, Code 32, Delta Code, Label Code, Plessey Code, Codabar
Interface	PC XT/AT, PS/2, RS232, USB, & TTL (undecoded)
Configuration	Setup via Scanner Configuration Manager software
Data Editing	Almost unlimited

Environmental

Temperature	Operating: 32 to 122°F (0 to 50°C)
	Storage: -4 to 140°F (-20 to 60°C)
Humidity	0% to 95% RH non-condensing
Mechanical Shock	5 ft. (1.5 m) drop to concrete
IP rating	IP54

Models

MS146A	BSR(visible)TTL, AMP conn, IP54
MS146IA	BSR(infrared)TTL, AMP conn, IP54
MS146-2	BSR(visible), RS232 DB9F, IP54
MS146I-2	BSR(infrared), RS232 DB9F, IP54
MS146-3	BSR(visible), K/W DIN-5, IP54
MS146I-3	BSR(infrared), K/W DIN-5, IP54
MS146-3PS2	BSR(visible), K/W DIN-6, IP54
MS146-3PS2/2	BSR(infrared), K/W DIN-6, IP54
MS146-4	BSR(visible), USB, IP54
MS146I-4	BSR(infrared), USB, IP54

MS146-06V3