

Metrologic[®]

Metrologic is now part of Honeywell

MS1890 Focus

Industrial-Grade Area-Imaging Scanner

Honeywell's MS1890 Focus[®] industrial-grade area-imaging scanner provides unmatched scanning performance in challenging environments.

MS1890 Focus maximizes productivity with a set of features previously unavailable in rugged area imagers.

Engineered to withstand two-meter falls, this IP54-rated omnidirectional scanner precisely executes applications for retail back-of-store, manufacturing, transportation and logistics. It excels in punishing locales such as: dusty warehouses, steamy storerooms, rainy loading docks and freezing distribution centers.

The MS1890 Focus outperforms the field in decoding all standard bar codes in a single flash with minimal concern for orientation or print quality. It reads codes damaged, worn or wrapped in clear plastic.

The MS1890 Focus further separates itself with patented Code Select^m technology which allows the scanner to capture up to seven bar codes in a single flash and then decode them in any predetermined order.

Honeywell's exclusive Total *Freedom*[™] architecture expands scanner funtionality by allowing formatting, parsing and decoding plug-ins to be loaded directly to the MS1890 instead of the host system.

For more information on the MS1890 Focus industrial-grade areaimaging scanner, please visit www.honeywell.com/aidc



Features

- **IP54-rated:** Withstands exposure to dirt, dust and splashing water
- Durable Metal Hook: Creates safer working conditions by attaching to universal tether
- Total Freedom: Expands scanner functionality by allowing image processing, decoding and formatting plug-ins to be loaded directly to the scanner instead of the host system
- Flexible Licensing Solution: Meets diverse scanning requirements by offering models with limited decoding capabilities—purchase decoding licenses to enable additional functionality as the need arises
- Omnidirectional Scanning: Eliminates need to orientate scanner to bar code
- **Code***Select:* Scans up to 7 bar codes in a single flash and outputs data in any predetermined order

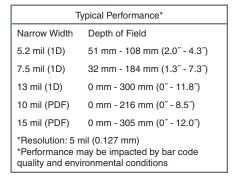
MS1890 Focus Technical Specifications

| Operational | |
|------------------------|---|
| Light Source | LED 645 nm ± 7.5 nm |
| Audible Indicators | 7 tones or no beep |
| Visual Indicators | Blue = ready to scan; White = good read; Yellow = automatic scanning |
| Host System Interfaces | USB, RS232, Keyboard Wedge, IBM 46xx (RS485) |
| Mechanical | |
| Dimensions (LxWxH) | 111 mm x 79 mm x 183 mm (4.4″ x 3.1″ x 7.2″) |
| Weight | 284 g (10 oz) |
| Electrical | |
| Input Voltage | 5 VDC ± 0.25 V |
| Operating Power | 2 W (400 mA @ 5 V) - typical |
| Standby Power | 800 mW (160 mA @ 5 V) - typical |
| DC Transformers | Class 2: 5.2 VDC @ 1 A |
| LED Class | Class 1: IEC60825-1, EN60825-1 |
| EMC | FCC Part 15, IEC60825-1, EN55022 Class A |
| Environmental | |
| Operating Temperature | 0°C to 50°C (32°F to 122°F) |
| Storage Temperature | -40°C to 60°C (-40°F to 140°F) |
| Humidity | 0% to 95% relative humidity, non-condensing |
| Drop | Designed to withstand 2 m (6.5) drops |
| Environmental Sealing | IP54 |
| Light Levels | 100,000 Lux (9,290 foot-candles) |
| Scan Performance | |
| Scan Pattern | Area |
| Sensor Resolution | 1.3 megapixel |
| Motion Tolerance | 10 cm/s (4 in/s) for 13 mil UPC @ 10 cm (4.0") distance |
| Scan Angle | Horizontal: 50°; Vertical: 20° |
| Print Contrast | 20% minimum reflectance difference |
| Tilt, Pitch, Skew | 360°, 75°, 75° |
| Decode Capability | 1D: Code 39, Code 93, Code 128, UPC/EAN/JAN, Code 2 of 5, Code 11, Codabar, MSI Plessey, GS1 DataBar, Telepen, Trioptic *DDF: PDF417, MicroPDF417 *2D: QR Code, Micro QR Code, Data Matrix, Aztec Code, Maxicode, Codablock, Composite Code, POSTNET, PLANET, UPU, Intelligent Mail, Canada Post, Australia Post, Japanese Post, Royal Mail RM4SCC, KIX Code *OCR: OCR-A, OCR-B, E-13B MICR *Note: Enable by purchasing decoding license |

For more information: www.honeywell.com/aidc

Security & Data Collection

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