



MS7820 Solaris

Omni directional Laser Scanner

Honeywell's MS7820 Solaris wertical mini-slot scanner increases productivity with an unmatched feature set that aggressively scans high-density codes and fits easily into any existing enclosure found in small-item, high-volume retail environments.

Designed to increase system output and lower the total cost of ownership, the MS7820 reduces on-site service costs and downtime in convenience, drug, specialty, liquor, and grocery store environments.

With an extended depth of field and advanced decoding software, cashiers can scan all standard bar codes on the first pass with minimal concern for orientation or print quality.

Multiple on-board interfaces make the MS7820 compatible with most POS systems, while automatic detection of the interface cable expedites system configuration. The MS7820 further simplifies integration by drawing power directly from the host's 12-volt USB or serial port.

Unlike other comparable devices, the MS7820 includes a troubleshooting visual diagnostic indicator. For investment protection, every scanner comes standard with an integrated RF EAS antenna and the capability to perform interlock with either Checkpoint or Sensormatic.

The MS7820 sets itself apart from the field with a multifunctional RS232 auxiliary port that provides a single point of communication for either a hand-held scanner or external scale.

Honeywell's MS7820 comes with one of two flex-pole stands for countertop or wall-mounted functions. For harsh checkout environments, the MS7820 provides an optional reinforced protective window.

Honeywell



Features

- Reads 5.0 mil bar codes: Aggressively decodes highdensity bar codes and optimizes checkout procedures
- **Multiple Interfaces:** Provides infrastructure protection and ensures compatibility with most POS systems
- **Diagnostic Indicator:** Enables fast and easy troubleshooting and decreases downtime
- **Field-Replacable Window:** Minimizes downtime with quick and easy in-lane replacement of protective window
- Draws Power from Host Through USB or Serial Ports (12V): Saves space and money by reducing the number of cables

MS7820 Solaris Technical Specifications

Operational

Light Source Visible Laser Diode 650 nm ± 10 nm

Visual Indicators Steady Blue = ready to scan; Flashing Blue = good read; 7-Segment Display = diagnostic indicator

Host System Interfaces USB, RS232, Keyboard wedge, IBM 46xx (RS485)

Auxiliary Ports RS232: Secondary Scanner or Scale, EAS Interlock

Mechanical

Dimensions (LxWxH) 92 mm x 152 mm x 152 mm (3.6" x 6.0" x 6.0")

Weight 700 g (24.7 oz)

Electrical

Input Voltage 12 VDC \pm 0.25 V

Operating Power (typical) 3.8 W (320 mA @ 12 V) with AUX scanner: 4.8 W (400 mA @ 12 V)

 Standby Power (typical)
 1.2 W (100 mA @ 12 V)

 DC Transformers
 Class 2: 12 VDC @ 1.25 A

 Laser Class
 Class 1: IEC60825-1, EN60825-1

EMC FCC Part 15, IEC-003, EN55022 Class B

Environmental

 Operating Temperature
 0°C to 40°C (32°F to 104°F)

 Storage Temperature
 -40°C to 60°C (-40°F to 140°F)

 Humidity
 5% to 95% relative humidity, non-condensing

 Environmental Sealing
 Sealed to resist airborne particulate contaminants

Light Levels 4842 Lux (450 foot-candles)

Scan Performance

Scan Pattern Omnidirectional: 5 fields of 4 parallel lines

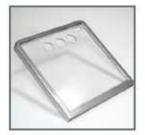
Scan Speed 1800 scan lines per second

Print Contrast 35% minimum reflectance difference

Pitch, Skew 60°, 60°

Decode Capabilities Reads standard 1D and GS1 DataBar symbologies, Visit www.honeywell.com/aido/symbologies for details.

Warranty 2 year factory warranty



Protective window MLPN 46-00867

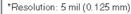


Flex-pole stand MLPN 46-00868



Wall-mount stand MLPN 46-00869

Ī	Typical Performance⁺	
ı	Narrow Width	Depth of Field
ı	5.2 mil	0 mm - 45 mm (0" - 1.8")
ı	7.5 mil	0 mm - 150 mm (0" - 6.0")
ı	10.4 mil	0 mm - 230 mm (0" - 9.0")
ı	13 mil	0 mm - 255 mm (0" - 10.0")
ı.	26 mil	0 mm - 280 mm (0" - 11 0")



^{*}Performance may be impacted by bar code quality and environmental conditions











Shweta POS Systems 501, Gopal Towers, Near Maninagar RLY Station, Maninagar,

Ahmedabad – 380008

Gujarat

Tel: +91-9099094199

E-mail: sales@shwetapossystem.con Web: www.shwetapossystems.com

