

MS7120 Orbit

Omnidirectional Laser Scanner

Honeywell's MS7120 Orbit® provides aggressive omnidirectional scanning in an award-winning design for retailers seeking an affordable, aesthetically pleasing scanning solution.

Orbit, the all-time, best-selling hands-free omnidirectional scanner, presents an innovative, elegant and affordable solution to convenience retail applications where counter space is at a premium.

Compact, lightweight and rugged, Orbit maximizes customer satisfaction and employee efficiency with a patented 20-line scan pattern, an easy-to-find sweet spot and a scan speed of 1,120 scans per second.

The scanner's expanded ability to update its firmware via Honeywell's patented MetroSet®2 configuration software (provided free) safeguards long-term infrastructure commitments in the event of a change in the POS system or software.

Recipient of multiple design honors, Orbit's award-winning shape enables hand-held scanning of large, bulky items. For added flexibility, the scanning head can be tilted within a 30° range to accommodate objects of various sizes and shapes.

Standard features include user-replaceable cables, Honeywell's patented MetroSelect and MetroSet®2 for easy configuration, data editing and OPOS/JPOS compatibility for easy installation.

For more information on the MS7120 Orbit omnidirectional laser scanner, please visit www.honeywell.com/aidc



Features

- **20 Scan Line Omnidirectional Pattern:** Provides aggressive scanning as an additional benefit to hand presentation applications
- **Sweet Spot Scanning:** Engineered "sweet spot" to optimize scan performance and first pass read rate
- **Adjustable Scan Head:** Ability to tilt scanner 30° for targeted scanning or larger products
- **Flash ROM:** Protects POS investment with free firmware updates via MetroSet®2 software and standard PC
- **Automatic Scanning Operation:** Simply present a bar code and the unit scans in a single pass

MS7120 Orbit Technical Specifications

Operational

| | |
|------------------------|--|
| Light Source | Visible Laser Diode 650 nm ± 10 nm |
| Audible Indicators | 7 tones or no beep |
| Visual Indicators | Blue = ready to scan; White = good read |
| Host System Interfaces | USB, RS232, Keyboard Wedge, IBM 468xx (RS485), Light Pen Emulation |

Mechanical

| | |
|--------------------|---|
| Dimensions (LxWxH) | 105 mm x 102 mm x 150 mm (4.1" x 4.0" x 5.9") |
| Weight | 400 g (14.1 oz) |

Electrical

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|-----------------|--|
| Input Voltage | 5 VDC ± 0.25 V |
| Operating Power | 900 mW (180 mA @ 5 V) - typical |
| Standby Power | 850 mW (170mA @ 5 V) - typical |
| DC Transformers | Class 2: 5.2 VDC @ 1 A |
| Laser Class | Class 1: IEC60825-1, EN60825-1 |
| EMC | FCC Part 15, ICES-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 |
| Drop | Designed to withstand 1.2 m (4') drops |
| 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 | 1120 scan lines per second |
| Print Contrast | 35% minimum reflectance difference |
| Tilt, Pitch, Skew | 360°, 60°, 60° |
| Decode Capability | Code 39, Code 93, Code 128, UPC/EAN/JAN, Code 2 of 5, Code 11, Codabar, MSI Plessey, GS1 DataBar, Telepen, Trioptic |



For more information:

www.honeywell.com/aidc

Security & Data Collection

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| Typical Performance* | |
|----------------------|-----------------------------|
| Narrow Width | Depth of Field |
| 5.2 mil | 25 mm - 50 mm (1.0" - 2.0") |
| 7.5 mil | 0 mm - 150 mm (0" - 5.9") |
| 10 mil | 0 mm - 175 mm (0" - 6.9") |
| 13 mil | 0 mm - 215 mm (0" - 8.5") |
| 26 mil | 25 mm - 250 mm (0" - 9.8") |

*Resolution: 5.2 mil (0.127 mm)
 *Performance may be impacted by bar code quality and environmental conditions

