MS7180 Orbit*CG*

Omnidirectional Laser Scanner

Honeywell's MS7180 Orbit*CG* ® provides a stylish solution for omnidirectional and menu-scanning applications where counter space is at a premium.

Orbit*CG* combines the power of patented Code*Gate*® technology with many of the outstanding features already found in the MS7120 Orbit® – the all-time, best-selling small omnidirectional hands-free scanner.

Code*Gate* technology allows the user to easily target the desired bar code and complete data transmission with the push of a single button, making Orbit*CG* ideal for targeted or menu scanning applications.

This innovative, elegant and affordable solution to convenience retail applications also safeguards long-term infrastructure commitments.

In the event of a change in POS system or software, Orbit*CG* easily updates firmware via its patented MetroSet®2 configuration software – provided free by Honeywell. Use either a USB or RS232 interface to perform configuration updates.

Based on the original MS7120 Orbit's award-winning design, Orbit*CG*'s 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 an EAS antenna integration for tag deactivation, power save mode, data editing, OPOS/JPOS compatibility for easy installation and user-replaceable cables.

For more information on the MS7180 Orbit*CG* 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

- **Single Line Option:** With the push of a button, switch to a targeted scan ideal for menu scanning

- **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

- **Built In RF EAS Antenna:** Increases efficiency by simultaneously deactivating RF EAS tags and decoding bar codes

MS7180 Orbit*CG* 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 46xx (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

Input Voltage	5 VDC ± 0.25 V
Operating Power	900 mW (180 mA @ 5 V) - typical
Standby Power	850 mW (170 mA @ 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; Button activated single line
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

Typical Performance*	
Narrow Width	**Depth of Field**
5.2 mil	0 mm - 50 mm (0˝ - 2.0˝)
7.5 mil	0 mm - 150 mm (0˝ - 5.9˝)
10 mil	0 mm - 220 mm (0˝ - 8.7˝)
13 mil	0 mm - 275 mm (0˝ - 10.8˝)
26 mil	0 mm - 300 mm (0˝ - 11.8˝)

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

For more information:

www.honeywell.com/aidc

Security & Data Collection

Honeywell Scanning & Mobility

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