

# MS7180 OrbitCG

## Omnidirectional Laser Scanner

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

OrbitCG combines the power of patented CodeGate® technology with many of the outstanding features already found in the MS7120 Orbit®—the all-time, best-selling small omnidirectional hands-free scanner.

CodeGate technology allows the user to easily target the desired bar code and complete data transmission with the push of a single button, making OrbitCG 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, OrbitCG 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, OrbitCG'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 OrbitCG omnidirectional laser scanner, please visit [www.honeywell.com/aidc](http://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 OrbitCG Technical Specifications

## Operational

|                        |  |
|------------------------|--|
| Light Source           | Visible Laser Diode 650 nm ± 10 nm                                     |
| Visual Indicators      | Blue = ready to scan; White = good read                                |
| Host System Interfaces | USB, RS232, Keyboard Wedge, IBM 46xx (RS485), Light Pen Wand 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 (typical) | 900 mW (180 mA @ 5 V)                  |
| Standby Power (typical)   | 850 mW (170 mA @ 5 V)                  |
| 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        | Omnidirectional: 1120 scan lines per second; Single-line: 56 scan lines per second   |
| Print Contrast    | 35% minimum reflectance difference   |
| Pitch, Skew       | 60°, 60°   |
| Decode Capability | Reads standard 1D and GS1 DataBar symbologies. Visit <a href="http://www.honeywell.com/aidc/symbologies">www.honeywell.com/aidc/symbologies</a> for details. |
| Warranty          | 3 year factory warranty  |



### For more information:

[www.honeywell.com/aidc](http://www.honeywell.com/aidc)

### Honeywell Security & Data Collection

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| 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 mil (0.125 mm)  
\*Performance may be impacted by bar code quality and environmental conditions

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