## Orbit 7120/OrbitCG 7180

## Omnidirectional Laser Scanners

Honeywell's Orbit ${ }^{\circledR}$ series of scanners provide 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 for 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.

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 $30^{\circ}$ range to accommodate objects of various sizes and shapes.

For applications that require menu scanning, OrbitCG 7180 combines the power of patented CodeGate ${ }^{\circledR}$ technology with many of the outstanding features already found in the Orbit ${ }^{\circledR}$ 7120. CodeGate technology allows the user to easily target the desired bar code and complete data transmission with the push of a single button.

The scanner's expanded ability to update its firmware via Honeywell's free patented MetroSet ${ }^{\oplus} 2$ configuration software safeguards longterm infrastructure commitments in the event of a change in the POS system or software.

Standard features include an integrated EAS antenna for tag deactivation (OrbitCG 7180 only), power save mode, user-replaceable cables, Honeywell's patented MetroSelect and MetroSet ${ }^{\circledR} 2$ for easy configuration, data editing and OPOS/JPOS compatibility for easy installation.

## 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 $30^{\circ}$ for targeted scanning or larger products
- Flash ROM: Protects POS investment with free firmware updates via MetroSet ${ }^{\oplus} 2$ software and standard PC
- Automatic Scanning Operation: Simply present a bar code and the unit scans in a single pass
- Built-in RF EAS Antenna (Orbit 7180 only): Increases efficiency by simultaneously deactivating RF EAS tags and decoding bar codes


## Orbit 7120/OrbitCG 7180 Technical Specifications

| Mechanical |  |
| :---: | :---: |
| Dimensions (LxWxH) | $105 \mathrm{~mm} \times 102 \mathrm{~mm} \times 150 \mathrm{~mm}\left(4.1^{\prime \prime} \times 4.0^{\prime \prime} \times 5.99^{\prime}\right)$ |
| Weight | $400 \mathrm{~g}(14.1$ oz) |
| Electrical |  |
| Input Voltage | $5 \mathrm{VDC} \pm 0.25 \mathrm{~V}$ |
| Operating Power | 900 mW (180 mA @ 5 V ) |
| Standby Power | 850 mW ( 170 mA @ 5 V ) |
| Host System Interfaces | USB, RS232, Keyboard Wedge, IBM 468xx (RS485), Light Pen Wand Emulation |
| Environmental |  |
| Operating Temperature | $0^{\circ} \mathrm{C}$ to $40^{\circ} \mathrm{C}\left(32^{\circ} \mathrm{F}\right.$ to $\left.104^{\circ} \mathrm{F}\right)$ |
| Storage Temperature | $-40^{\circ} \mathrm{C}$ to $60^{\circ} \mathrm{C}$ ( $-40^{\circ} \mathrm{F}$ to $140^{\circ} \mathrm{F}$ ) |
| Humidity | $5 \%$ to $95 \%$ relative humidity, non-condensing |
| Drop | Designed to withstand $1.2 \mathrm{~m}\left(4^{\prime}\right)$ drops |
| Environmental Sealing | Sealed to resist airborne particulate contaminants |
| Light Levels | 4842 Lux |
| Scan Performance |  |
| Scan Pattern | Omnidirectional: 5 fields of 4 parallel lines; button activated single line (7180) |
| Scan Speed | Omnidirectional: 1120 scan lines per second; single line: 56 scan lines per second (7180) |
| Print Contrast | $35 \%$ minimum reflectance difference |
| Pitch, Skew | $60^{\circ}, 60^{\circ}$ |
| Decode Capability | Reads standard 1D and GS1 DataBar symbologies |
| Warranty | 3 year factory warranty |

For a complete listing of all compliance approvals and certifications, please visit www.honeywellaidc.com/compliance For a complete listing of all supported bar code symbologies, please visit www.honeywellaidc.com/symbologies

## For more information:

www.honeywellaidc.com

| Typical Performance* | Orbit 7120 | Orbit 7180 |
| :--- | :--- | :--- |
| Narrow Width | Depth of Field | Depth of Field |
| 5.2 mil | $0 \mathrm{~mm}-50 \mathrm{~mm}\left(0^{\prime \prime}-2.0^{\prime \prime}\right)$ | $0 \mathrm{~mm}-50 \mathrm{~mm}\left(0^{\prime \prime}-2.0^{\prime \prime}\right)$ |
| 7.5 mil | $0 \mathrm{~mm}-150 \mathrm{~mm}\left(0^{\prime \prime}-5.9^{\prime}\right)$ | $0 \mathrm{~mm}-150 \mathrm{~mm}\left(0^{\prime \prime}-5.9^{\prime}\right)$ |
| 10 mil | $0 \mathrm{~mm}-175 \mathrm{~mm}\left(0^{\prime \prime}-6.9^{\prime}\right)$ | $0 \mathrm{~mm}-220 \mathrm{~mm}\left(0^{\prime \prime}-8.7^{\prime \prime}\right)$ |
| 13 mil | $0 \mathrm{~mm}-215 \mathrm{~mm}\left(0^{\prime \prime}-8.5^{\prime}\right)$ | $0 \mathrm{~mm}-275 \mathrm{~mm}\left(0^{\prime \prime}-10.8^{\prime}\right)$ |
| 26 mil | $0 \mathrm{~mm}-250 \mathrm{~mm}\left(0^{\prime \prime}-9.8^{\prime}\right)$ | $0 \mathrm{~mm}-300 \mathrm{~mm}\left(0^{\prime \prime}-11.8^{\prime}\right)$ |

*Resolution: 5 mil ( 0.125 mm )
*Performance may be impacted by bar code quality and environmental conditions

## Honeywell Scanning \& Mobility

