



## MS7180 OrbitCG™

**OrbitCG™ provides a stylish solution for omnidirectional and menu-scanning applications where counter space is at a premium.**

The Metrologic OrbitCG combines the power of patented CodeGate® technology with many of the outstanding features already found in the Orbit® (model 7120) – the all-time, best-selling small omnidirectional hands-free scanner.

With the push of single button, CodeGate technology augments OrbitCG's patented 20-line aggressive scan pattern with a single-line mode ideal for targeted or menu scanning.

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 Metrologic. Use either a USB or RS232 interface to perform configuration updates.

Based on the original Orbit's (model #7120) 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.

[www.metrologic.com/MS7180](http://www.metrologic.com/MS7180)

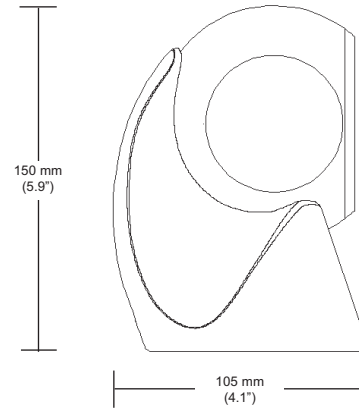
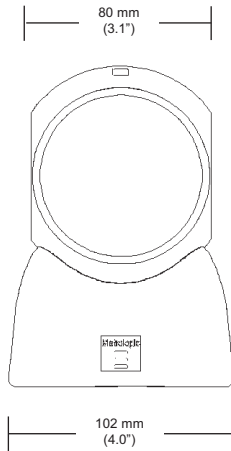


### FEATURES

- 20 scan line omni-directional pattern
- Single Line Option
- Adjustable scan head
- Flash ROM
- EAS

### BENEFITS

- Provides aggressive scanning as an additional benefit to hand presentation applications
- With the push of a button, switch to a targeted scan ideal for menu scanning
- Ability to tilt scanner 30° for targeted scanning or larger products
- Protects POS investment with free firmware updates via MetroSet®2 software and standard PC
- Deactivate an EAS tag and decode a bar code in a single scan



## OPERATIONAL

Light Source	Visible Laser Diode 650 nm $\pm$ 10 nm
Laser Power	0.663 mW (peak)
Decode Capability	Autodiscriminates all standard 1-D and GSI DataBar™ bar codes; for other symbologies call Metrologic
System Interfaces	Keyboard Wedge, RS232, Light Pen Emulation, IBM 468X/469X, USB
Number Characters Read	Up to 80 data characters
Beeper Operation	7 tones or no beep
Indicators (LED)	Blue* = laser on, ready to scan White* = good read <small>*Indicator colors can be reversed</small>

## MECHANICAL

Height	150 mm (5.9")
Depth	105 mm (4.1")
Width - Orb	80 mm (3.1")
Width - Base	102 mm (4")
Weight	400 g (14.1 oz)
Termination	10 pin modular RJ45
Cable	Standard 2.1 m (7') straight; optional 2.7 m (9') coiled; for other cables call Metrologic
Tilt - Orb	30° vertical

## ELECTRICAL

Input Voltage	5 VDC $\pm$ 0.25 V
Power	.9 W typical @ 5 VDC
Operating Current	180 mA
DC Transformers	Class 2; 5.2 V @ 650 mA
Laser Class 1	EN: 60825-1:1994 + A11:1996 + A2:2001
EMC	Class B: FCC Part 15, ICES-003, EN 55022 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
Light Levels	Up to 4842 Lux (450 footcandles)
Shock	Designed to withstand 1.2 m (4') drops

Product Colors Available



Light Grey



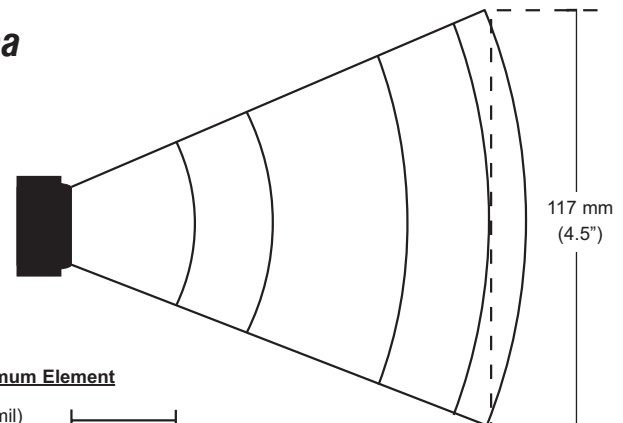
Black

**MS7180** is available in a variety of other colors with minimum quantity purchase

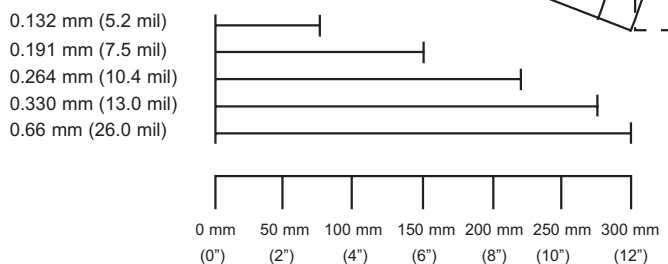
## SCAN PERFORMANCE

Depth of Scan Field (programmable)	0 mm - 275 mm (0" - 10.5") for 0.33 mm (13 mil) bar codes
Width of Scan Field	60 mm (2.4") @ face; 117 mm (4.5") @ 275 mm (10.5")
Scan Speed	1120 scan lines per second
Scan Pattern	5 fields of 4 parallel lines (omnidirectional)
Number of Scan Lines	20
Minimum Bar Width	0.13 mm (5.2 mil)
Print Contrast	35% minimum reflectance difference
Roll, Pitch, Yaw	360°, 60°, 60°

## Scan Area



## Bar Code Minimum Element



Revision: All


 Sunrise 2005  
 Compliant

**ISO 9001:2000**

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DS7180