



MS7120 Orbit

Orbit[®] provides aggressive omnidirectional scanning in an award-winning design for retailers seeking an affordable, aesthetically pleasing scanning solution.

The Metrologic 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-tofind sweet spot and a scan speed of 1,120 scans per second.

The scanner's expanded ability to update its firmware via Metrologic'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, Metrologic's patented MetroSelect and MetroSet*2 for easy configuration, data editing and OPOS/JPOS compatibility for easy installation.

www.metrologic.com/MS7120



FEATURES

- 20 scan line omni-directional pattern
- Sweet Spot Scanning
- Adjustable scan head
- Flash ROM
- Automatic scanning operation

BENEFITS

Provides aggressive scanning as an additional benefit to hand presentation applications
Engineered "sweet spot" to optimize scan performance and first pass read rate
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
Simply present a bar code and the unit scans in a single pass

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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* = anod read *Indicator colors can be reverse

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 <u>+</u> 0.25 V
Power	1 W typical @ 5 VDC
Operating Current	200 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 colors with minimum quantity purchase



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MS7120 is available in a variety of other

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SCAN PERFORMANCE

Depth of Scan Field (programmable)	0 mm - 215 mm (0″ - 8.5″) for 0.33 mm (13 mil) bar codes
Width of Scan Field	60 mm (2.4″) @ face; 105 mm (4.1″) @ 216 mm (8.5″)
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



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