

Metrologic

Orbit™ MS7100



Metrologic®



Small Reliable Omni-Scanner

Orbit™ is an aggressive, omnidirectional presentation laser bar code scanner. Lightweight and rugged, Orbit is small in size but BIG in performance. Orbit is Metrologic's first point-of-sale bar code scanner to incorporate holographic technology.

Designed for applications where counter space is at a premium, Orbit is the ideal presentation scanner for retail, convenience, liquor and specialty stores. In addition, Orbit's unique, contoured shape allows it to be picked up and used as a hand-held when scanning large or bulky items.

Engineered with a large, easy-to-find sweet spot, Orbit increases the first pass read rate for

Features

- Fully automatic scanning operation
- User-replaceable cables
- Easy programming
- 7 beeper tones
- Programmable depth of field
- Data editing
- Holographic technology
- User-replaceable scan window
- Counter/wall mount option
- Power save mode
- OPOS driver

maximum productivity. The scanning head can be tilted vertically a full 30° for added flexibility when scanning various sized objects. These features increase the scanning throughput, without increasing Orbit's size.

Orbit is equipped with interchangeable interfaces, three options are available. The first option is RS232, Keyboard Wedge, Stand Alone Keyboard, and Light Pen. The second option is OCIA and RS232. The third option includes IBM46XX and RS232. Simply connect the proper communication cable, move an internal jumper and reprogram the scanner. It's that simple.



OPERATIONAL

Light Source	Visible Laser Diode 675 nm ± 5 nm
Depth of Scan Field (programmable)	0 mm - 215 mm (0" - 8.5") at default setting
Scan Speed	1200 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)
Decode Capability	Autodiscriminates all standard bar codes; for other symbologies call Metrologic
System Interfaces	PC Keyboard Wedge, RS232, OCIA, Light Pen, IBM 46XX, Stand Alone Keyboard
Print Contrast	35% minimum reflectance difference
Number Characters Read	up to 80 data characters
Roll, Pitch, Yaw	360°, 60°, 60°
Beeper Operation	7 tones or no beep
Indicators (LED)	Red = laser on, ready to scan Green = good read

MECHANICAL

Height	150 mm (5.9")
Depth	105 mm (4.1")
Width - Orb	80 mm (3.1")
Width - Base	102 mm (4.0")
Weight	380 grams (13.4 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

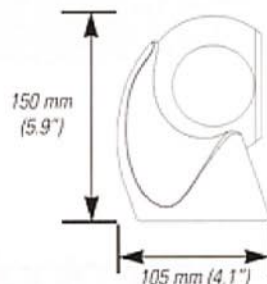
ELECTRICAL

Input Voltage	5 VDC ± 0.25V
Power	1.1 W
Operating Current	220 mA
DC Transformers	Class 2; 5.2 V @ 650 mA
Laser Class	CDRH: Class IIa; EN 60 825: Class 1
EMC	FCC Class A, CISPR Class A

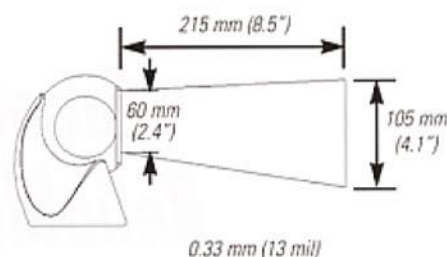
ENVIRONMENTAL

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 450 footcandles/42 Lux
Shock	Designed to withstand 1 m (3.1') drops
Contaminants	Sealed to resist airborne particulate contaminants
Ventilation	None required

Dimensions



Scan Volume (at default setting)



Specifications subject to change without notice.
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