Orbit® is an aggressive, omnidirectional presentation/handheld laser bar code scanner. Orbit is lightweight, rugged, small in size and BIG in performance.

Sunrise 2005 Compliant

MS7120 Orbit®

Features

- **Fully automatic scan operation**
- **Decodes RSS-14, RSS Limited and RSS Expanded bar codes**
- **User-replaceable, single cable interface to host**
- **Mountable to a wall or under check-writing stands**
- **Customize the depth-of-field for tight scanning environments**
- **Custom edit the bar code data to meet the requirements of the application**
- **Multiple beeper tones**
- **OPOS and JPOS system compatible**

Metrologic's Orbit is an aggressive, omnidirectional presentation laser bar code scanner. 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. Lightweight and rugged, Orbit is small in size but BIG in performance.

Engineered with a large, easy-to-find sweet spot, Orbit increases first pass read rate for maximum productivity. The scanning head can be tilted vertically a full 30° for added flexibility when scanning various sized objects. Orbit has a patented 20-line omnidirectional scan pattern that produces 1,200 scan lines per second. These features increase the scanning throughput, without increasing Orbit's size.

Orbit is engineered for easy configuration and utilizes user-replaceable cables, in order to meet the multiple application needs across the many markets it serves . Data editing or "parsing" is also a standard feature. Parsing enables the encoded information to be manipulated to meet the host system's requirements.

MS7120 Orbit®

OPERATIONAL

Light Source	Visible Laser Diode 650 nm ± 10 nm
Laser Power	0.663 mW (peak)
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	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 1-D and RSS-14 bar codes; for other symbologies call Metrologic
System Interfaces	PC Keyboard Wedge, RS232, OCIA, Light Pen Emulation, IBM 468X/469X, Stand Alone Keyboard, USB (low speed and full speed)
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)	Green* = laser on, ready to scan Red* = good read * Indicator colors can be reversed

MECHANICAL

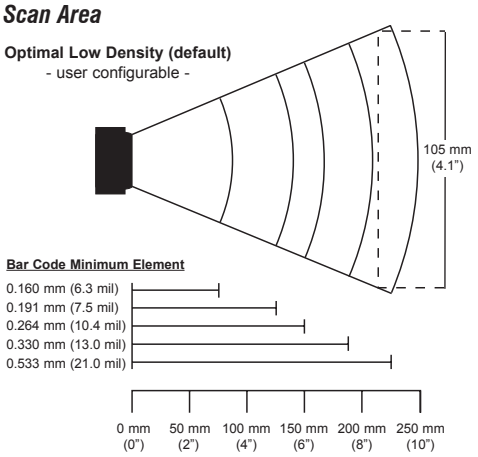
Height	150 mm (5.9")
Depth	105 mm (4.1")
Width - Orb	80 mm (3.1")
Width - Base	102 mm (4.0")
Weight	410 g (14.5 oz)
Termination	10 pin modular RJ45
Cable	Standard 2.1 m (7') straight; optional 2.7 m (9') coiled; for other cables call Metrologic
Tilt - Orb	30° vertical

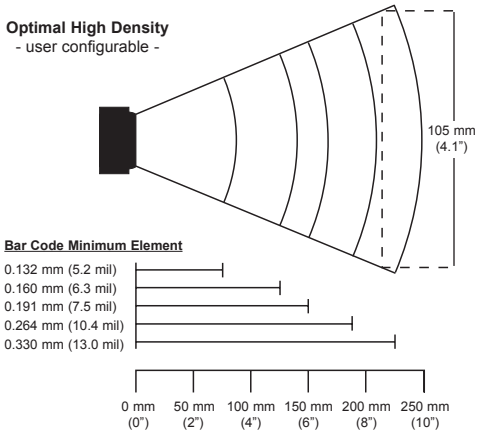
ELECTRICAL

Input Voltage	5 VDC ± 0.25 V
Power	1.1 W typical @ 5 VDC
Operating Current	220 mA
DC Transformers	Class 2; 5.2 V @ 650 mA
Laser Class	CDRH: Class IIa; EN60825-1:1994/A11:1996 Class 1
EMC	Class B: FCC Part 15, ICES-003, European Union EMC Directive

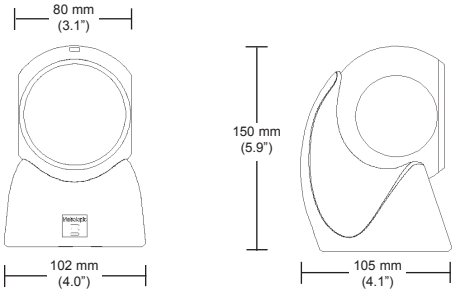
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-40°C to 60°C (-40°F to 140°F)
Humidity	5% to 95% relative humidity, non-condensing
Light Levels	Up to 4842 Lux (450 footcandles)
Shock	Designed to withstand 1.2 m (4.0') drops
Contaminants	Sealed to resist airborne particulate contaminants
Ventilation	None required

Scan Area

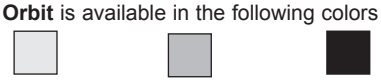




Dimensions



Orbit is available in the following colors



Sample only, actual colors may vary

USB UNIVERSAL SERIAL BUS

CE

c UL us LISTED

Complies with 21 CFR Chapter 1 subchapter J. Class IIa laser product. Avoid long-term viewing of direct laser light. LASERKLASSE 1

ISO 9001:2000

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