Metrologic MS7120 Orbit™

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

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 bulky items.

Engineered with a large, easy-to-find sweet spot, Orbit increases the first pass read rate for maximum productivity. The scanning head can be tilted vertically a full 30º for added flexibility when scanning various sized objects. These features increase the scanning throughput, without increasing Orbit's size.

In order to meet the multiple application needs within the bar code scanning market, Orbit is engineered for easy programming and utilizes user-replaceable cables. Data editing or "parsing" is also a standard feature. Parsing enables the encoded information to be manipulated to meet the host system's requirements.

Specifications

OPERATIONAL	
Light Source	Visible Laser Diode 675 nm ± 5 nm
Laser Power	0.681 mW (peak)
Depth Of Scan Field (programmable)	0 mm - 215 mm (0" to 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 fileds of 4 parallel lines (omnidirectional)
Minimum Bar Width	0.13 mm (5.2 mil)
Decode Capability	Autodiscriminates all standard bar codes
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	360º, 60º, 60º
Beeper Operation	7 tones or no beep
Indicators (LED)	Green = laser on, ready to scan Red = good read
MECHANICAL	
Dimensions	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	30º vertical
ELECTRICAL	
Input Voltage	5 VDC ± 0.25 V
Power	1.1 W
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	FCC Class A, CISPR Class A
ENVIRONMENTAL	
Operating Temperature	0ºC to 40ºC (32ºF to 104ºF)
Storage Temperature	-40ºC to 60ºC (-40ºF to 140ºF)
Humidity	5% to 95% relative humidity, non-condensing

Light Levels	Up to 450 footcandles
Shock	Designed to withstand 1 m (3.1') drops
Contaminants	Sealed to resist airborne particulate contaminants
Ventilation	None required