



MS700i Series

Features

- **High-speed scanning for increased productivity**
- **Dense, aggressive scan pattern**
- **Compact size, small footprint**
- **Rugged and reliable**
- **Patented hand-held option available**
- **Easy to install and program**
- **EAS option**

Metrologic's MS700i Series fixed projection laser bar code scanners are operator friendly and live up to their reputation of being aggressive and accurate. The MS700i Series scanners offer standard features such as adjustable volume, highly visible LED indicators, and easy programming. These features, coupled with an outstanding first pass read rate, mean increased productivity while providing reliable, unbeatable value.

Three models are included in the MS700i Series:

MS700i offers an omnidirectional scan pattern designed for medium to high volume retail, documentation and coupon processing, and price verification applications.

MS720i is engineered with an omnidirectional scan pattern and has an extended depth of field ideal for

applications including conveyor systems, time and attendance, and secured entry systems.

MS715i generates a raster scan pattern and is designed for document processing and work in process applications where the bar code is presented to the scanner in the same orientation. The raster pattern creates a more concentrated scan area and is most appropriate for scanning longer, truncated bar codes.

All models autodiscriminate among all standard bar codes. The three most popular protocols: RS-232, Light Pen Emulation, and OCIA are incorporated in each model. Other interfaces available include Keyboard Wedge, RS-485 (IBM46XX), and Parallel. The MS700 is also available with an optional EAS deactivation antenna to void security tags.



MS700i Series

OPERATIONAL

Light Source	Visible Laser Diode 675 nm ± 5 nm
Laser Power	MS700i: 0.525 mW (peak) MS715i: 0.525 mW (peak) MS720i: 0.675 mW (peak)
Depth of Scan Field (programmable)	MS700i: 0 mm - 178 mm (0" - 7") for 0.33 mm (13 mil) bar code MS715i: 0 mm - 178 mm (0" - 7") for 0.33 mm (13 mil) bar code MS720i: 178 mm - 381 mm (7" - 15") for 0.33 mm (13 mil) bar code
Scan Speed	MS700i: 2000 scan lines per second MS715i: 1000 scan lines per second MS720i: 2000 scan lines per second
Scan Pattern	MS700i: 5 fields of 4 parallel lines (omnidirectional) MS715i: 1 field of 10 parallel lines (raster) MS720i: 5 fields of 4 parallel lines (omnidirectional)
Number of Scan Lines	MS700i: 20 MS715i: 10 MS720i: 20
Minimum Bar Width	0.19 mm (7.5 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 48 data characters
Roll, Pitch, YawMS700i:	MS700i: 360°, 60°, 60° MS715i: 42°, 60°, 52° MS720i: 360°, 60°, 60°
Beeper Operation	3 tones, 3 volume settings or no tone
Indicators (LED)	Green = laser on, ready to scan Red = good read

MECHANICAL

Dimensions	165 mm (6.5")H x 76 mm (3.0")D x 165 mm (6.5")W
Footprint On Stand	64 mm x 64 mm (2.5 x 2.5")
Weight	1.13 kilograms (2.5 lbs)
Termination	25 pin male D-Sub connector
Cable	Standard 1.8 m (6'); for other cables call Metrologic
Mount (optional)	Fully adjustable
Input Voltage	11-30 VDC ± 0.25 V
Power	8.4 W; host system or wall transformer
Operating Current	350 mA
DC Transformers	Class 2; 24 VDC @ 750 mA
Laser Class	CDRH: Class IIa; EN60825-1:1994/A11:1996 Class 1
EMC	FCC Class A, EN 55022 Class A
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)
Contaminants	Sealed to resist airborne particulate contaminants
Ventilation	None required

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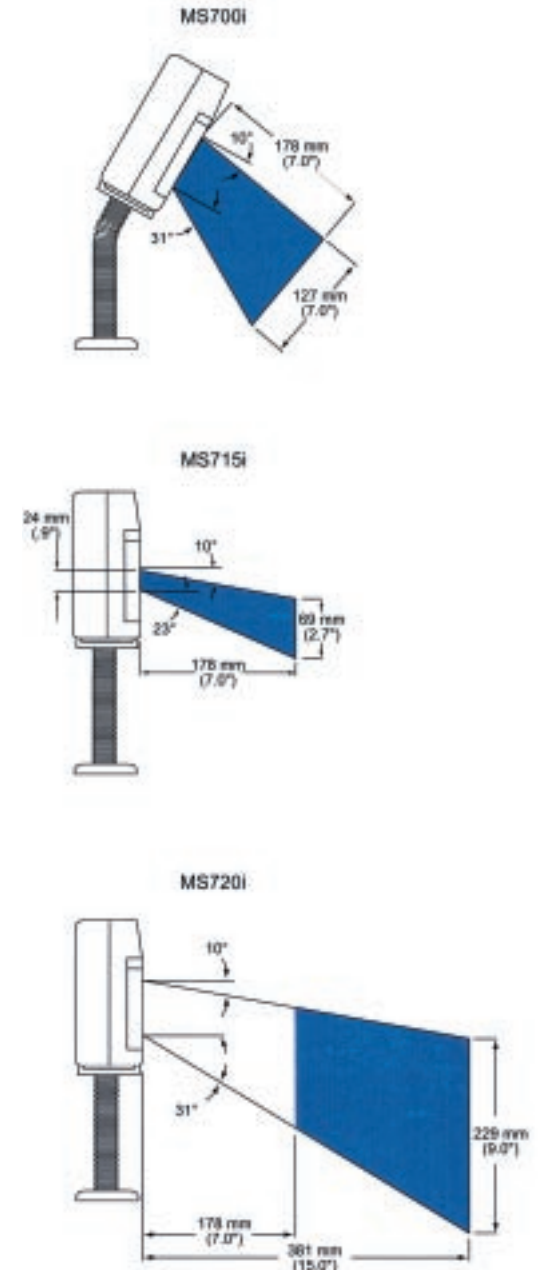
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Scan Area



Metrologic

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