

OPERATIONAL

Light Source	Visible Laser Diode 650 nm $\pm$ 10 nm
Laser Power (horiz / vert)	1.25 mW / 2.25 mW
Depth of Scan Field - horizontal	0 mm - 152 mm (0" - 6") for 0.33 mm (13 mil) bar code
Depth of Scan Field - vertical	0 mm - 216 mm (0" - 8.5") for 0.33 mm (13 mil) bar code
Scan Speed	6000 scan lines per second
No. of scan lines (horz / vert)	68 (40 / 28)
Motor Speed - horz / vert	4800 / 6000 RPM
Sides Read	6
Scan Zone	360°
Minimum Bar Width	0.152 mm (6.0 mil)
Decode Capability	All standard 1-D bar codes, RSS-14, RSS-Expanded, RSS-14 Limited
System Interfaces	RS-232, Aux. RS-232, IBM468x/469x, USB (low speed and full speed), OCIA
Print Contrast	35% minimum reflectance difference
Number Characters Read	Up to 80 data characters
Roll, Pitch, Yaw	360°, 60°, 60°
Speaker Operation	7 tones or no beep; - 3 volume settings
Indicators (LED)	Blue = laser on, ready to scan; White = good read, decoding

MECHANICAL

Length	MS2020 (full size scanner with scale)	508 mm (20.0")
	MS2021 (full size scanner only)	508 mm (20.0")
	MS2022 (compact size scanner only)	420 mm (16.5")
Width		286 mm (11.3")
Depth (below counter)		101 mm (4.0")
Height (above counter)		178 mm (7.0")
Weight	MS2020 (full size scanner with scale)	9.1 kg (21 lbs)
	MS2021 (full size scanner only)	7.2 kg (16 lbs)
	MS2022 (compact size scanner only)	6.8 kg (15 lbs)

SCALE CAPACITIES

Capacity	13.6 kg (30.0 lb)
Minimum increment	0.005 kg (0.01 lb)
Maximum static weight	68 kg (150 lb)
Adjustments required	Calibration only

ELECTRICAL

Input Voltage	5V @ 1.5 Amps / 12V @ 1.5 Amps
Power	13.5 Watts (when scanning); 5 W (standby)
Operating Current	900 mA (5V) / 700mA (12V)
DC Transformers	Class II; 5 VDC @ 1.5 A; 12 VDC @ 1.5 A
Laser Class	CDRH & IEC: Class according to IEC 60825-1:1993+A1:1997+A2:2001
EMC	FCC, ICES-003 & EN55022 Class A

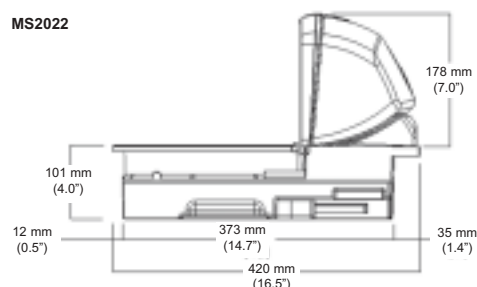
Operating Temperature	0°C to 40°C (32°F to 104°F)
IP Rating	IP 55
Light Levels	4842 Lux (450 footcandles)
Storage Temperature	-40°C to 60°C (-40°F to 140°F)
Humidity	5% to 95% relative humidity, non-condensing
Contaminants	Sealed to resist airborne particulate contaminants
Ventilation	None required

Dimensions

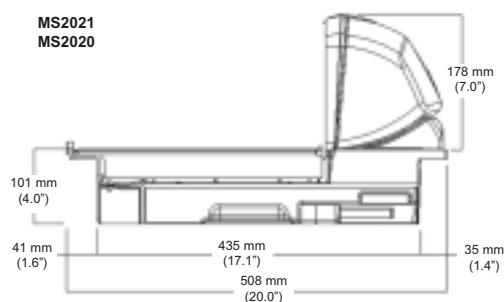
ALL MODELS



MS2022



MS2021 MS2020



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DS2020



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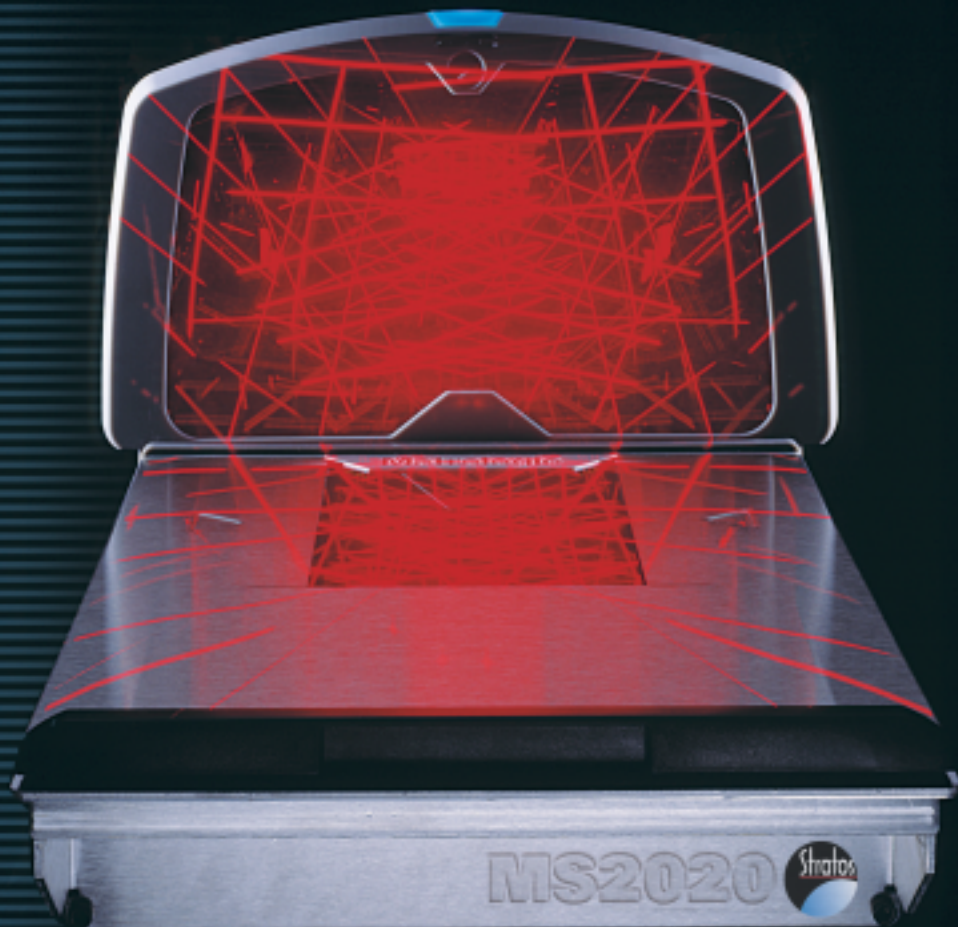
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The pursuit of the perfect in-counter scanner:
open up our newest chapter.

 **Metrologic®**
IDENTIFYING SOLUTIONS



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