

MS3780 Fusion Technical Specifications

Operational

Light Source	Visible Laser Diode 650 nm ± 10 nm
Visual Indicators	Blue = ready to scan; White = good read; Yellow = automatic scanning
Host System Interfaces	USB, RS232, Keyboard Wedge, IBM 46xx (RS485), OCIA

Mechanical

Dimensions (LxWxH)	189 mm x 65 mm x 73 mm (7.4" x 2.6" x 2.9")
Weight	195 g (6.9 oz)

Electrical

Input Voltage	5 VDC ± 0.25 V
Operating Power	1.4 W (275 mA @ 5 V)
Standby Power	1.0 W (200 mA @ 5 V)
DC Transformers	Class 2: 5.2 VDC @ 1 A
Laser/LED Safety	Class 1: IEC60825-1, EN60825-1
EMC	FCC Part 15, ICES-003, EN55022 Class B

Environmental

Operating Temperature	-20°C to 40°C (-4°F to 104°F)
Storage Temperature	-40°C to 60°C (-40°F to 140°F)
Humidity	5% to 95% relative humidity, non-condensing
Drop	Designed to withstand multiple 1.5 m (5') drop
Environmental Sealing	Sealed to resist airborne particulate contaminants
Light Levels	4842 Lux (450 foot-candles)

Scan Performance

Scan Pattern	Omnidirectional: 5 fields of 4 parallel lines; Button activated single line
Scan Speed	Omnidirectional: 1,333 scan lines per second; Single line: 67 scan lines per second
Print Contrast	35% minimum reflectance difference
Pitch, Skew	60°, 60°
Decode Capability	Reads standard 1D and GS1 DataBar symbologies. Visit www.honeywell.com/aidc/symbologies for details.
Warranty	3 year factory warranty



For more information:

www.honeywell.com/aidc

Honeywell Security & Data Collection

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Typical Performance*	
Narrow Width	Depth of Field
5.2 mil	44 mm - 108 mm (1.8" - 4.3")
7.5 mil	25 mm - 190 mm (1.0" - 7.5")
10.4 mil	25 mm - 240 mm (1.0" - 9.5")
13 mil	25 mm - 280 mm (1.0" - 11.0")
21 mil	25 mm - 300 mm (1.0" - 12.0")

*Resolution: 5 mil (0.127 mm)
 *Performance may be impacted by bar code quality and environmental conditions

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