Honeywell

Fusion 3780

Omnidirectional Laser Scanner

Honeywell's Fusion™ 3780 is an affordable hand-held omnidirectional laser scanner with single-line capability that increases retail checkout system efficiency with its automatic in-stand operation, optionally integrated EAS, and industry-leading scan performance.

Fusion combines omnidirectional and single-line laser bar code scanning into a lightweight, ergonomic hand-held form factor. The 20-line scan pattern provides superior scanning over existing single-line hand-held scanners making Fusion ideal for medium-volume retailers including specialty stores, pharmacies, liquor stores, and convenience stores.

An adjustable stand with 50° of tilt and three locking positions provides flexibility for the user to position the scanner for individual comfort and optimal performance. Stabilized with a weighted metal base, the stand may also be hard-mounted to counters or walls.

Fusion also includes CodeGate®, a Honeywell patented feature used in the highly successful Voyager® series. An integrated infra-red (IR) sensor automatically activates the laser when a bar code is present. The user then properly aligns the bar code before pressing the button, transmitting the data to the host. This feature provides the ability to pass over other bar codes, selecting only the required code. No other scanner offers this much control.

Standard features such as Flash ROM, MetroSelect® and MetroSet®2 programming, and user replaceable cables protect your investment by enabling Fusion to grow with you and your application requirements.



Features

- **Primary Omnidirectional Scan Pattern:** Aggressive scanning in any orientation, increasing throughput
- **Secondary Single-Line Scan Pattern:** With a push of a button, switch to a targeted single-line for menu scanning applications
- **Automatic In-Stand Detection:** Hands-free operation for presentation scanning reduces operator fatigue
- **Sleep Mode With IR Wake Up:** Multiple sleep modes reduce power consumption, extending life and lowering cost of operation
- **Optional Integration of RF EAS Antenna:** Increases efficiency by simultaneously deactivating RF EAS tags and decoding bar codes

Fusion 3780 Technical Specifications

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)
Host System Interfaces	USB, RS232, Keyboard Wedge, IBM 46xx (RS485), OCIA
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
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
Warranty	3 year factory warranty

For a complete listing of all compliance approvals and certifications, please visit www.honeywellaidc.com/compliance
For a complete listing of all supported bar code symbologies, please visit www.honeywellaidc.com/symbologies

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	

For more information:
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