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TECHNOLOGY GROUP

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so your equipment works exactly as you specify.

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Expert team | Trust guarantee | 100% satisfaction

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Find the *Motorola / Symbol MS-1204FZY-1000* at our website: *Click HERE*

Symbol MiniScan MS12XX Series

Fixed Mount Scanner



FEATURES

High performance fixed-mount scanner with fuzzy logic decode capability
Premium scanning for all 1D bar codes including poorly printed and low contrast symbols

Reads all major 1D symbologies including Reduced Space Symbology®
Enables devices to realize a high first-time read rate for improved productivity

Symbol MS12XX FZY decode range: near contact to over 60 in./152 cm
Flexible decode range for maximum accuracy and efficiency

Symbol MS1207WA features a 60° scan angle
Accommodates wide bar codes at, or near, contact in high-volume scanning applications

Superior scanning for fixed-mount, unattended devices

The Symbol MS12XX Series is a compact, durable, industrial fixed mount scanner available in fuzzy (FZY) or wide angle (WA) versions for maximum versatility. The Symbol MS12XX FZY versions feature fuzzy logic for premium scanning on 1D bar codes, including poorly printed and low contrast.

The Symbol MS12XX Series is an excellent choice for OEM devices requiring accurate, automated data collection, even in the most demanding environments. It can also be used as a standalone fixed mount scanner.

Plug-and-play installation speeds time to market

Symbol MS12XX scanners feature immunity to ambient light and durable design which combine to deliver premium scanning performance in the most demanding environments. Symbol MS12XX scanners are easy to program and configure, enabling you to shorten your development time and bring your product to market faster–even if you don't have in-house technical resources for scanner integration. With its rugged durable housing, exit window, integrated beeper and multiple interface options, Symbol MS12XX scanners enable your project teams to quickly and confidently integrate high-performance 1D bar code data capture into many applications.

Proven technology to enhance your solutions

With millions of installations worldwide, our OEM devices are proven to deliver high reliability and superior performance, ensuring the accurate and quick capture of data and images in your mission-critical applications and devices. In addition, an easy-to-integrate design and expert assistance from our world-class OEM support team enable you to bring your systems to market quickly and cost effectively. And since even the most intelligent products require a maintenance plan and a support strategy, we offer superior services to help you maximize uptime and maintain peak performance.

For more information about the Symbol MS12XX, contact us at +1.800.722.6234 or +1.631.738.2400, or visit us on the Web at: www.symbol.com/ms12xx

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Sealed to IP54 standards
Protects against water and dust for reliable performance in rough conditions

Compact rugged, durable housing with integrated beeper, mounting holes, LEDs, decoder and a variety of interfaces
Plug-and-play installation reduces development time and improves time to market

Integrated beeper with external beeper support
Allows internal or external beeper to be driven depending on application

Automatic software controlled or manual triggering
Flexible control of unattended or hands-free applications

Easy-to-program simple serial interface (SSI)
Provides fast, simple interface communication with advanced features between scanner and host

Optional Software Developer's Kit (SDK)
Enables creation of applications using Windows® 98, 2000 and XP platforms

Supports 123Scan utility (multi-interface 07 versions only)
Easy-to-use utility reduces end-user installation time

Multiple mounting options
Increases development flexibility

Applications

Fixed-mount or industrial standalone	Manufacturing and warehousing; shipping and receiving; library and document tracking; conveyor belts; assembly lines
OEM	Clinical diagnostics; medical instruments; gas pumps; blood and chemical analysis; interactive kiosks and ATMs; vending and lottery machines; gaming equipment; turnstiles/access control

Symbol MS12XX FZY and WA Specifications

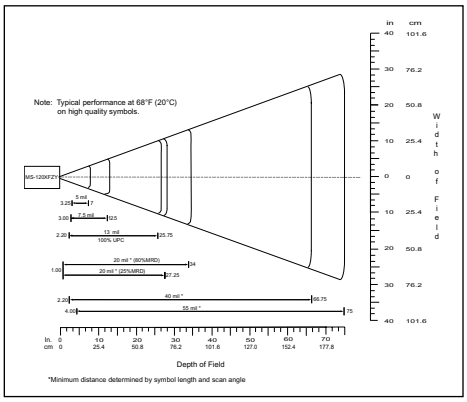
Physical Characteristics	
Dimensions:	1.60 in. H x 2.28 in. W x 2.94 in. D 40.64 mm max. H x 57.91 mm max. W x 74.76 mm max. D
Weight:	4.45 oz. (126 gm)
Performance Characteristics	
Light Source:	Symbol MS12XX FZY: Visible Laser Diode 650 nm Symbol MS1207 WA: Visible Laser Diode 670 nm
Scan Rate:	36 ±5 scans per second (bi-directional)
Scan Pattern:	Linear
Skew (Yaw):	Symbol MS12XX FZY: ± 50° from normal Symbol MS1207 WA: ± 65° from normal
Pitch:	Symbol MS12XX FZY: ± 65° from normal Symbol MS1207 WA: ± 55° from normal
Roll (Tilt):	± 20° from vertical
Minimum Print Contrast:	Symbol MS12XX FZY: Minimum 25% absolute dark/light reflectance measured at 650 nm Symbol MS 1207 WA: Minimum 20% absolute dark/light reflectance measured at 670 nm
Symbologies:	UPC/EAN, Code 128, UCC.EAN128, Code 39, Code 93, I 2 of 5, Discrete 2 of 5, Codabar, MSI, RSS
Programmable Parameters:	Laser On Time, Power Mode, Trigger Mode, Bi-directional Redundancy, Symbology types/lengths, Data formatting, Serial Parameters, Beeper Tone, Scan Angle (FZY only)
Interfaces:	Symbol MS1204 FZY: RS 232 Symbol MS1207 FZY: TTL, RS 232, USB, Synapse Symbol MS1207 WA: TTL RS 232, USB, Synapse
User Environment	
Ambient Light:	Artificial Light 450 ft. candles (4,844 Lux) Sunlight 8,000 ft. candles (86,112 Lux)
Operating Temperature:	Symbol MS12XX FZY: -4° to 122°F (-20° to 50°C) Symbol MS1207 WA: 32° to 104° F (0 - 40°C)
Storage Temperature:	Symbol MS12XX FZY: -40° to 158°F (-40° to 70°C) Symbol MS1207 WA: -40° to 140°F (-40° to 60°C)
Humidity:	5% to 95% non-condensing
Power:	Scanning Current: Symbol MS12XX FZY: 160 mA Symbol MS1207 WA: 110 mA Standby Current: 20 mA (Symbol MS1204 FZY) 20 mA (Symbol MS1207 FZY) 40 mA (Symbol MS1207 WA)
Drop:	Unit functions normally after multiple 30 in./76 cm drops to concrete
Environmental Sealing:	IP54

Regulatory	
Laser Classification:	CDRH Class II, IEC Class 2
Electrical Safety:	Certified to UL1950, CA C22-2 NO950 ENG60950/IEC950
EMI/RFI:	FCC Part 15 Class B, ICES-003 Class B European Union EMC Directive, Australian SMA
Environmental:	RoHS-compliant

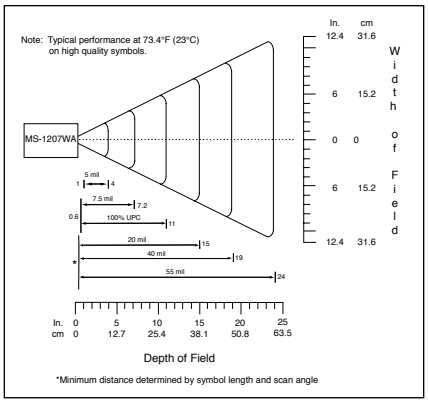
Specifications are subject to change without notice.

For system, product or services availability and specific information within your country, please contact your local Motorola office or Business Partner.

Symbol MS12XX FZY Decode Zone



Symbol MS1207 WA Decode Zone



MOTOROLA

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