



MS300 Long Range CCD Scanner

The MS300 CCD scanner competes with laser scanners on both design and performance. Its ergonomic gun action design fits comfortably into the operators hand while the price fits just as comfortable into the budget! It uses a 3-in-1 interface which makes it easy to select and replace connection cables. The MS300 delivers superior reading performance to read bar codes at distances of up to 13.8 inches and decode them at a rate of 45 scans per second.

The decoded MS300 supports keyboard wedge interface for PC XT/AT, PS/2, Macintosh and over sixteen popular terminals. Wand emulation and serial RS232 are also supported. When used as a keyboard wedge, the operation of the keyboard remains unaffected.

With a rugged design and no moving parts, it withstands repeated 5-foot drops onto concrete floor.

Our powerful decoder allows the data to be edited before sending it to the host. This feature saves time and money by making software changes unnecessary. It is the right scanner for office automation, retail and light industrial applications.

Configuration of the scanner is fast and easy. A bar code menu provides extensive setup options. A simpler quick setup menu lets users configure common features. Once ready, the configuration can be cloned and applied to other units through the use of custom bar code labels. This is very useful when you need to deploy large installations.

Make your life easier. **Make it a MS300!**

Scanners

Main Features:

- High performance CCD engine.
- Superior long reading distance delivers laser-like performance.
- Reads and discriminates commonly used bar code symbologies.
- Adjustable hands-free stand for retail applications.
- Replaceable interface cable.
- Easy to use and configure.
- Advanced Data Editing features.
- Supports configuration cloning through custom bar code labels.
- Supports multiple interfaces.
- 2-year limited warranty.



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Ordering Information:

MS300-1	Decoded (supports keyboard wedge, RS232 and wand emulation output)
MS300-0	Undecoded (TTL output only)

TECHNICAL SPECIFICATIONS	
OPTICAL	
Resolution	4 mils (0.10 mm) @ 3.9" (100 mm)
Scan Rate	45 scans / sec.
Depth of Field	3.3 ~ 4.5" (85 ~ 115 mm) @ 4 mils 3.1 ~ 4.7" (80 ~ 120 mm) @ 5 mils 3.1 ~ 5.1" (80 ~ 130 mm) @ 6 mils 1.5 ~ 7.4" (40 ~ 190 mm) @ 15 mils 1.5 ~ 11.4" (40 ~ 290 mm) @ 40 mils
Width of Field	7" (180 mm) @ 11.4" (90% PCS)
Light Source	660 nm red LED
Sensor	3000 pixel CCD array
Skew Angle	±60°
Pitch Angle	±30°
Contrast (PCS)	45% minimum
DECODER	
Symbologies	Code 39, Code 39 Full ASCII, Interleaved 2 of 5, Standard 2 of 5, Code 32, MSI / Plessey, Italian Pharmacy, Codabar, Toshiba Code, Code 11, UPC A/E, EAN 8/13, Code 93, Delta Distance Code, Code 128, EAN 128, China Postal Code
Decode Rate	100 scans / sec.
Operation	Trigger and hands-free mode
Data Editing	Prefix, suffix, Code Id and data formatting
Function Keys	PC, Macintosh and IBM terminal keyboard
INTERFACE	
MS300-0	Undecoded, TTL output only
MS300-1	PC XT/AT, PS/2, Macintosh ADB, IBM and other common terminals, RS232, terminal wedge, serial TTL inverted, and wand emulation
ENVIRONMENTAL	
Operation	32° F - 100° F (0° C - 40° C)
Storage	-4° F - 140° F (-20° C - 60° C)
Humidity	20% - 85% RH non-condensing
EMI	Complies with FCC Class A and CE approved
MECHANICAL	
Weight	147 g (without cable)
Dimensions	106 x 62 x 160 mm (LxWxH)
Housing	Polycarbonate / ABS plastic blend, UL94V0
Shock	Repeated 5 ft. (1.5 m) drops onto concrete floor
ELECTRICAL	
Voltage	5V ±10%
Current	Standby: 25 mA undecoded, 90 mA decoded ±10 mA Operating: 95 mA undecoded, 170 mA decoded ±10 mA