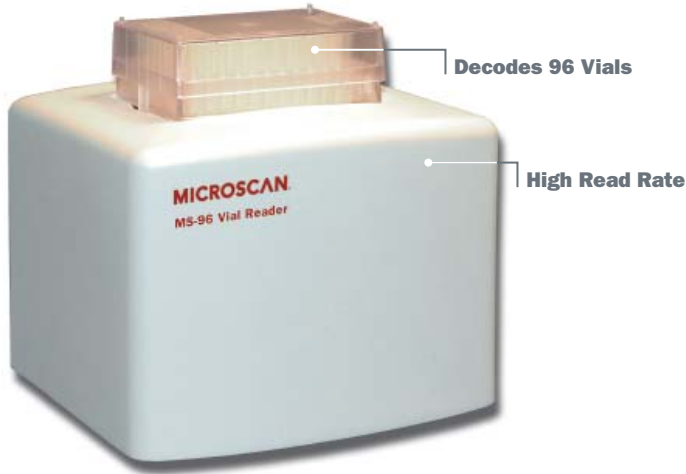# MS–96 Vial Reader

Decodes 96 Vials

High Read Rate

High Speed Vial Reader

The MS-96 Vial Reader is a high speed system specifically designed to decode Data Matrix symbols on either 24 or 96 vials. The high performance and accuracy is based on unique lighting and image processing which enhances the contrast of the symbol on each individual vial. The MS-96 Vial Reader is an ideal solution for enabling traceability within liquid handling and vial automation systems.

MS–96 Vial Reader: At a Glance

- *Reads 24 or 96 Vials Simultaneously In Under One Second*
- *Available as Standalone or OEM Product*

For more information on this product, visit www.microscan.com.

High Speed Decoding
The MS-96 Vial Reader reads 24 or 96 vials simultaneously at high speeds, each one marked with a unique Data Matrix symbol. Decoded data is displayed on an intuitive user interface, and unsuccessful decodes are highlighted on the display for easy detection.

Ease of Use
Decoding can be auto-matically triggered by placing a cassette onto the reader, reading the barcode label, or via ActiveX. Data collected can be exported to any third party software package using ActiveX.

Flexible Configuration
The MS-96 Vial Reader can be configured as either a standalone system, or an OEM product within a vial automation production system.

Application Examples
Drug discovery
- Liquid handling
- Vial automation

MS–96 Vial Reader: Available Codes

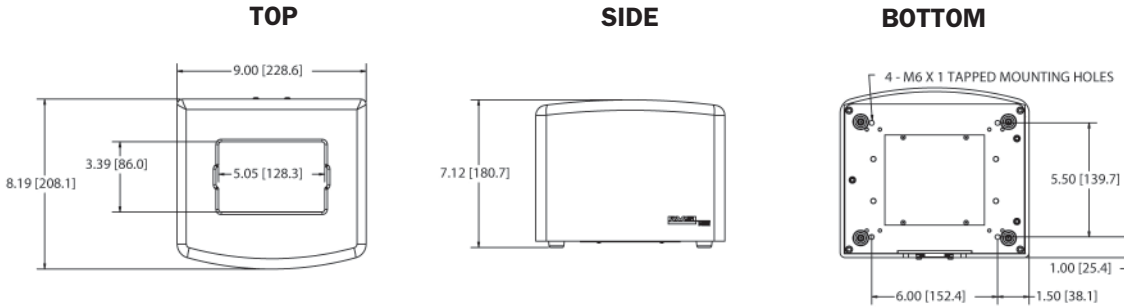2D Symbols   Data Matrix

MICROSCAN®

MS–96 Vial Reader Specifications and Options

TOP

SIDE

BOTTOM

MECHANICAL
Height: 7.12" (187.0 mm)
Width: 9.0" W (228.6 mm)
Depth: 8.19" L (208.1 mm)

ELECTRICAL
12 VDC +/- 5% at 1.2 A

EMISSIONS/IMMUNITY
Pending

SYMBOLOGIES
Data Matrix

COMMUNICATION
Interface: Ethernet or RS-232 via the host PC

FOCAL RANGE
Contact to near contact

FIELD OF VIEW
- Industry standard footprint (128 mm x 86 mm)
- Reads 96 or 24 vials simultaneously in under one second
- Reads industry standard 12 x 12 and 14 x 14 Data Matrix symbols

LIGHT SOURCES
Type: Red LED

LIGHT COLLECTION
4 cameras (640 by 480 pixels each)

MINIMUM PC REQUIREMENTS
- Pentium III (600 MHz or higher)
- Windows NT 4.0/2000 or later with service pack 5
- PC BIOS manufactured after June 1995 to fully support internal PCI bridges
- 128 MB RAM
- 30 MB free disk space
- VGA display (1024 x 768 with 65K colors)
- One open half-length PCI slot

ENVIRONMENTAL
Operating Temperature: -20° to 50° C (-4° to 122° F)
Relative Humidity: Up to 95% (non-condensing)

SAFETY CERTIFICATIONS
FCC, UL/cUL, CE, CB

ISO CERTIFICATION
Certified ISO 9001:2008 Quality Management System

MICROSCAN.

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