Handheld Linear CCD Reader

The HS-1 is a value level handheld barcode reader for reliable decode of linear barcodes in common applications such as printed black and white labels. Providing fast and accurate performance with minimal budget impact, the HS-1 is ergonomically designed for comfort and built to withstand multiple drops in harsh industrial environments.

The HS-1 is the ideal value level barcode reader for common barcode applications.

Reading Capabilities
The HS-1 reader can easily read any 1D barcode and many stacked symbologies, and excels at reading high contrast labels.

Lightweight & Durable
The lightweight and durable reader housing and cable feature a 6 foot (1.8 meter) shock approval rating to withstand multiple drops in high-use industrial applications.

Easy Setup
ESP software provides easy configuration of the HS-1, including read cycle and symbology setting.

Flexible Communication
HS-1 readers are available in two interface options: USB or RS-232.

Application Examples
- Inventory
- Electronics
- Life Sciences

HS-1: At a Glance
- Decodes/second: up to 230
- Read Range: 1.0 to 14.0" (25 to 356 mm)
- USB, RS-232 Interface Options

ESP® Easy Setup Program: Single-point software provides quick and easy setup and configuration of all Microscan readers.

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

HS-1: Available Codes

Linear
- All Standard

Stacked
- PDF417
- GS1 Databar

MICROSCAN®
MECHANICAL
Height: 6.3" (160 mm)
Width: 2.8" (68 mm)
Depth: 3.5" (88 mm)
Weight: 7.8 oz. (220 g), including cable

ENVIRONMENTAL
Operating Temperature: 0° to 50° C (32° to 122° F)
Storage Temperature: -20° to 60° C (-4° to 140° F)
Humidity: 20% to 85% (non-condensing)
Shock: Withstands drops of 6' (1.8 meters) to concrete

SYMBOLS
Stacked Symbol: GS1 Databar, PDF417

LIGHT COLLECTION OPTIONS
Sensor: 2048 pixel CCD image sensor
Optics: 660 nm visible LED

COMMUNICATION PROTOCOLS
Standard Interface: USB, RS-232

READ PARAMETERS
Decode Rate: 230 decodes/second
Focal Range: 1.0" to 14.0" (25 to 356 mm)
Depth of Field: 2.8" to 3.5" (70 to 90 mm)
Ambient Light Immunity: Sunlight: Up to 278.7 ft-candles/3,000 lux

INDICATORS
Status Indicators: Audible tones, visual feedback with multi-color LED

ELECTRICAL
Power Requirements: 5 VDC (mA)
Typical: 240mA  Peak: 750mA  Idle: 95mA

SAFETY CERTIFICATIONS DESIGNED FOR
FCC, CE
ROHS/WEEE COMPLIANT
ISO CERTIFICATION
Certified ISO 9001:2008 Quality Management System

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Read Range and other performance data is determined using high quality Grade A symbols per ISO/IEC 15415 and ISO/IEC 15416 in a 25° C environment. For application-specific Read Range results, testing should be performed with symbols used in the actual application. Microscan Applications Engineering is available to assist with evaluations. Results may vary depending on symbol quality. Warranty—One year limited warranty on parts and labor. Free extended 3 year warranty upon online product registration.

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