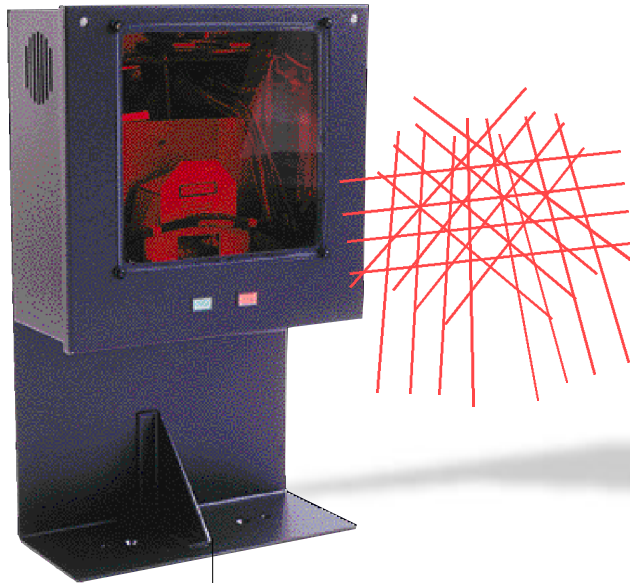


TECH 8[®]



Features

- **Easy to install**
- **Projected scan field from 203 mm - 457 mm**
- **Mounts in any position**
- **Designed for industrial environments**

Metrologic[®]



**Fast
Rugged
Reliable
Scanning**

The **TECH 8[®]** is Metrologic's medium-range projection laser bar code scanner, engineered for use in industrial environments or extreme conditions.

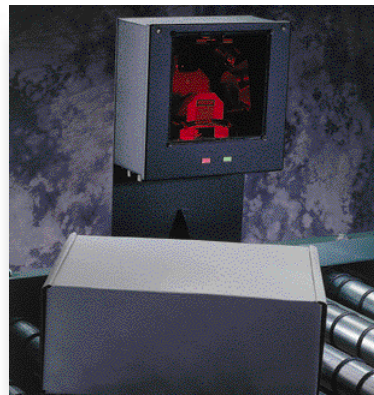
Aggressive, fast and accurate best describe the TECH 8's attributes. Designed to read bar codes at a range of 203 mm - 457 mm (8" - 18"), the TECH 8 autodiscriminates among all standard bar codes. The rugged casing protects against water, shock and airborne particulate contaminants such as dust and falling dirt. To suit a variety of scanning applications, TECH 8 is available with either an omnidirectional or raster scan pattern.

Set up is made easy with Metrologic's all-inclusive kit, which includes an installation and user's guide, a communication cable with

power supply, and a sturdy mounting stand. Once the scanner is in use, maintenance is as simple as cleaning the scan window on a regular basis.

Among other key features, TECH 8 is equipped with an enhanced decoding system that virtually eliminates misreads and a code correcting algorithm (MECCA) which enables the scanner to read poorly printed, wrinkled, or even torn bar codes on the first pass.

All TECH 8 scanners are covered by a two-year warranty.



OPERATIONAL

Light Source	Visible Laser Diode 670 nm ± 5 nm
Laser Power	Model 870: 0.55 mW (peak) Model 875: 0.55 mW (peak)
Depth of Scan Field*	203 mm - 457 mm (8" - 18")
Width of Scan Field	Model 870: 254 mm (10") Model 875: 610 mm (24")
Scan Speed	Model 870: 1,250 scan lines per second Model 875: 450 scan lines per second
Scan Pattern	Model 870: Omnidirectional (20 interlocking lines) Model 875: Raster (6 lines)
Minimum Bar Width	0.19 mm (7.5 mil)
Decode Capability	Autodiscriminates all standard bar codes
System Interfaces	RS232; Light Pen Emulation; OCIA
Optional Interfaces	Opto-coupled 6 amp US and Canada, 5 amp EEA countries TRIAC output; object sensor input
Print Contrast	35% minimum reflectance difference
Roll, Pitch, Yaw	360°, 60°, 60°
Beeper Operation	Selection of 3 tones for "Good Read"
Indicators (LED)	Green = on, ready to scan; Red = good read

MECHANICAL

Dimensions	203 mm L x 216 mm W x 96 mm D (8" x 8.5" x 3.8")
Weight	3.5 kg (7.75 lbs) without cable
Orientation	May be used in any orientation
Mounting	Back plate mount or vertical stand
Top Cover	NEMA-12 steel case
Cable Length	1.83 m (6') cable with mil spec connector

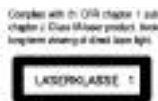
ELECTRICAL

Input Voltage	11-30 VDC
Power	9 watts, host system or wall transformer
Operating Current	450mA typical @ 20V
DC Transformers	120V (AC in), 230V (AC in), 240V (AC in); output 20V @ 750mA
Standby Current	210mA typical @ 20V
Laser Class	CDRH: Class IIa; EN60825-1:1994/A11:1996 Class 1
EMC	FCC Class A, CISPR Class A

ENVIRONMENTAL

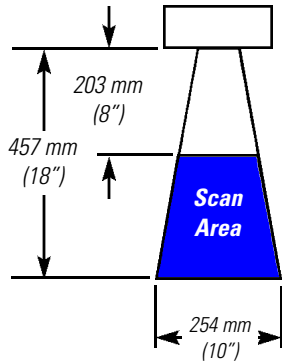
Operating Temperature	0°C to 35°C (32°F to 95°F)
Storage Temperature	-40°C to 60°C (-40°F to 140°F)
Humidity	5% to 95% relative humidity, non-condensing
Light Levels	Up to 3200 footcandles - works in direct sun
Shock	100g for 1 ms
Contaminants	Protects against dust, falling dirt, and dripping non-corrosive liquid
Ventilation	None required

*Bar code dependent.
Specifications subject to change without notice.
Printed U.S.A., November 1998



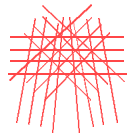
Dimensions

Model 870
Front Scan View



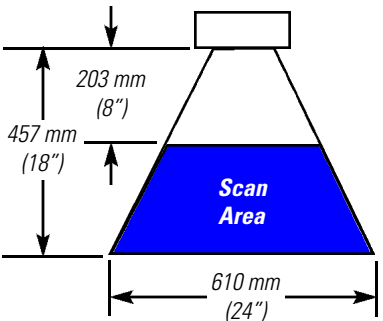
Scan Pattern

Model 870



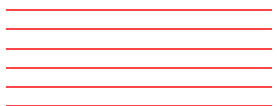
Dimensions

Model 875
Front Scan View



Scan Pattern

Model 875



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