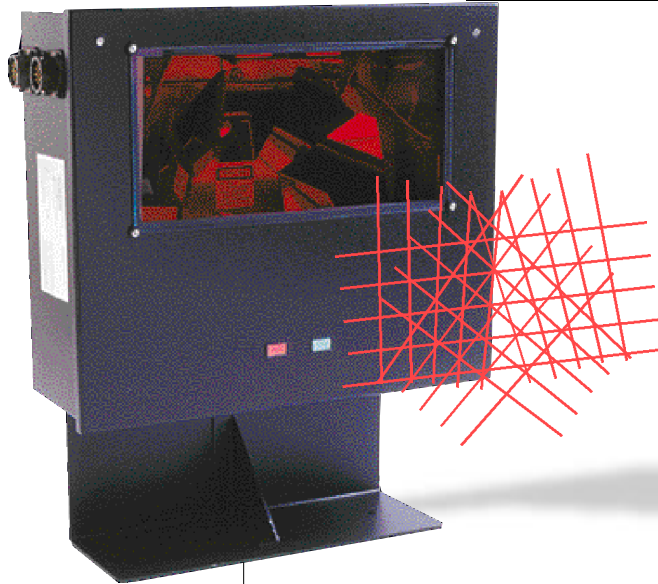


TECH 10[®]



Metrologic[®]

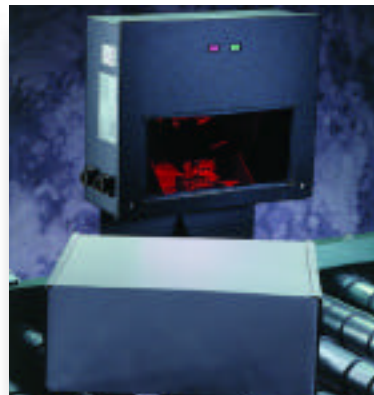


**Fast
Rugged
Reliable
Scanning**

The **TECH 10[®]** is Metrologic's long-range laser bar code scanner, engineered for use in warehouse and distribution centers, manufacturing plants and other industrial environments. In these operations, TECH 10 is ideal for automatic sortation, order processing, order picking and replenishing, shipping, and receiving.

It's rugged. It can be mounted in a variety of positions. It's one in a complete line of top quality bar code scanning products engineered and manufactured by Metrologic. Most importantly, due to an Application Specific Integrated Circuit (ASIC) in its decoding system, TECH 10 reads bar codes in one pass.

Featuring a 25-line omnidirectional scan pattern, TECH 10 reads bar codes from a distance of 254 mm - 559 mm (10" - 22").



Features

- **Easy to install**
- **Projected scan field from 254 mm - 559 mm**
- **Mounts in any position**
- **Designed for industrial environments**

Metrologic's sophisticated decoding system and code correcting algorithm (MECCA) virtually eliminate bar code misreads - even on poorly printed, wrinkled, or torn bar codes.

Each TECH 10 scanner is shipped complete with an installation and user's guide, a programming guide, a communication cable with power supply, and sturdy mounting stand. This comprehensive package makes installation quick and easy.

All TECH 10 scanners are covered by a two-year warranty.



OPERATIONAL

Light Source	Visible Laser Diode 670 nm ± 5 nm
Laser Power	0.850 mW (peak)
Depth of Scan Field*	254 mm - 559 mm (10" - 22")
Width of Scan Field	279 mm (11")
Scan Speed	1,250 scan lines per second
Scan Pattern	25 line omnidirectional
Minimum Bar Width	0.19 mm (7.5 mil)
Decode Capability	Autodiscriminates all standard bar codes
System Interfaces	RS232; Light Pen Emulation; OCIA; RS422
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	311 mm L x 262 mm W x 108 mm D (12.25" x 10.32" x 4.25")
Weight	5.19 kg (11.45 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

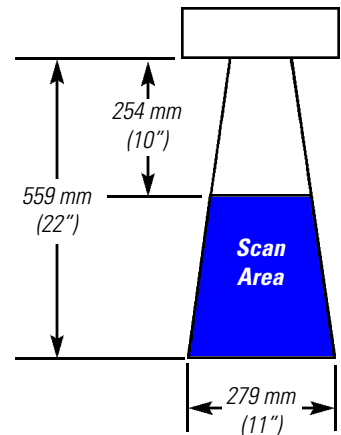
Input Voltage	11-30 VDC
Power	9 watts, host system or tabletop transformer
Operating Current	450mA typical @ 20V
DC Transformers	220V (AC in), 120V (AC in), 230V (AC in)
Standby Current	210mA typical @ 20V
Laser Class	CDRH: Class IIa; EN60825-1:1994/A11:1996 Class 1
EMC	FCC Class A, CISPR Class A

ENVIRONMENTAL

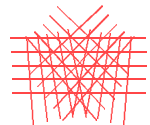
Operating Temperature	0°C to 35°C (32°F to 95°F)
Storage Temperature	-40°C to 60°C (-40°F to 140°F)
Humidity	5% to 95% relative humidity, noncondensing
Light Levels	Up to 3200 footcandles - works in direct sun
Shock	100g for 1 ms
Contaminants	Protects against dust, falling dirt, and dripping non-corrosive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

Dimensions

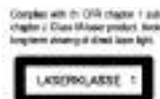
Omnidirectional Scan Volume
Front Scan View



Scan Pattern



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



USA
Metrologic Instruments, Inc.
Tel. 1-800-ID-METRO
Fax 1-609-228-6673
info@metrologic.com

Europe
Metrologic Instruments GmbH
Tel. 49-89-89019-0
Fax 49-89-89019-200
metrologic@europe.metrologic.com

South America
Metrologic Instruments
Tel. 55-11-5505-6568
Fax 55-11-5505-1681
info@sa.metrologic.com

Brazil
Metrologic do Brasil Ltda
Tel. 55-11-5505-2396
Fax 55-11-5507-2301
metrolog@br.metrologic.com

Asia
Metrologic Asia (Pte) Ltd
Tel. 65-942-7155
Fax 65-942-7166
ant888@cyberway.com.sg

Metrologic[®]



www.metrologic.com

Metrologic Instruments, Inc. | 90 Coles Rd. | Blackwood, New Jersey 08012-4683
Telephone 609-228-8100 or 1-800-ID-METRO | Fax 609-228-6673-4683