

SCANTEAM® 5700LR Series

Long Range Laser Scanner



Description

The SCANTEAM® 5700LR Long Range high performance laser scanner reads medium to low density bar codes at a long distance. This hand held scanner combines our best laser scanning performance for long range industrial applications with Welch Allyn's traditionally excellent decoding, interfacing, and reputation for product durability. The SCANTEAM® 5700LR is available with a full suite of decoded output interfaces, or non decoded output for connection to an external decoder or a portable terminal.

Welch Allyn laser scanners are comfortable to use, rugged, durable, and easy to program. They offer a wide selection of cables, upgradable flash memory, and Quick*Load, a Windows®-based programming tool, to maximize flexibility.

Features

Long Range Scanning

Marker Beam

Scanboot

Welch Allyn Interface Suite

Dual Interface

Flash Memory

Two Year Warranty

Benefits

- For industrial or warehouse use.
- Aids in aiming and finding the bar code from a distance.
- Protects the scanner from drops and adds durability.
- Connects to PCs and PDTs.
- Switch between applications with a simple cable change.
- Scanner's memory is field upgradeable.
- Full factory warranty, plus world wide service and support.

Applications

The SCANTEAM® 5700LR is a long range, high performance scanner suitable for industrial and warehouse uses, or special purpose applications where labels and bar code print sizes are large. Stock location tags in a warehouse or large objects on a manufacturing floor can be scanned easily with the SCANTEAM® 5700LR. The SCANTEAM® 5700LR also offers dual interfaces. With a simple cable change, the scanner automatically switches interfaces, which increases functionality and cost effectiveness.

Specifications

CE Complies with EMC 89/336/EEC and LVD 73/23/EEC

Performance

Scan Element: Mylar resonant scan element
Light Source: 650nm visible laser diode (VLD)
Laser Power: 1.3mW ± .01mW, peak
Scan Rate: 36 scans/sec.
Field Width: 7.3 in. (18.5 cm) at 18.5 in. (57 cm)
 33 in. (83.8 cm) at 88.5 in. (224.8 cm)

Working Distance

10 mil	20 mil	40 mil	55 mil	100 mil Retro Reflective
10.5 - 18.5 in. (26.7 - 47 cm)	8 - 38 in. (20.3 - 96.5 cm)	9 - 75 in. (22.9 - 190.5 cm)	10 - 90 in. (25.4 - 228.6 cm)	82 - 210 in. (208.3 - 533.4 cm)

Print Contrast: 40% MRD
Skew Angle: ± 60° minimum from normal
Pitch Angle: ± 65° minimum from normal
Scan Angle: 23°

Mechanical/Electrical

Dimensions

Weight: 1.19 oz. (33.7 g)
Length: 1 in. (2.54 cm)
Width: 1.51 in. (3.84 cm)

Laser Classification: CDRH Class II

Power Requirements

Voltage: +5VDC or +5V/+12V, depends on product configuration and cable selection

Product	Idle	Scanning
5700LR-00	.060mA	135mA max
5700LR-02	70mA*	170mA max
5700LR-03	90mA*	190mA

*When operated in switched power mode, idle current is less than 0.06mA.

Cable: High flex strength 6 ft. detachable (1.8m) coiled cord

Environmental

Ambient Light: Sunlight: 8000 ft. Candles
 Artificial: 450 ft. Candles

Temperature Ranges

Operating: 32°F to 122°F (-0°C to 50°C)
Storage: -40°F to 140°F (-40°C to 60°C)
Humidity: 5% to 95% (non-condensing)
Shock: Five drops from 5 ft. (1.5m) to concrete
Agency Conformance: Complies with FCC Class B, CE.
MIL Spec w/Scanboot: MIL-STD-810E, 506.3, #2, Drip
 MIL-STD-810E, 510.3, #1, Wind Blown Dust

Electrostatic Discharge: 15kv to any external surface

Symbologies: UPC-EO, E1, A; EAN; JAN; ISBN all versions with supplement suppression; Codes 3 of 9; 128; I 2 of 5; 2 of 5; Matrix 2 of 5; 11; 93; MSI; Plessey; and Codabar

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