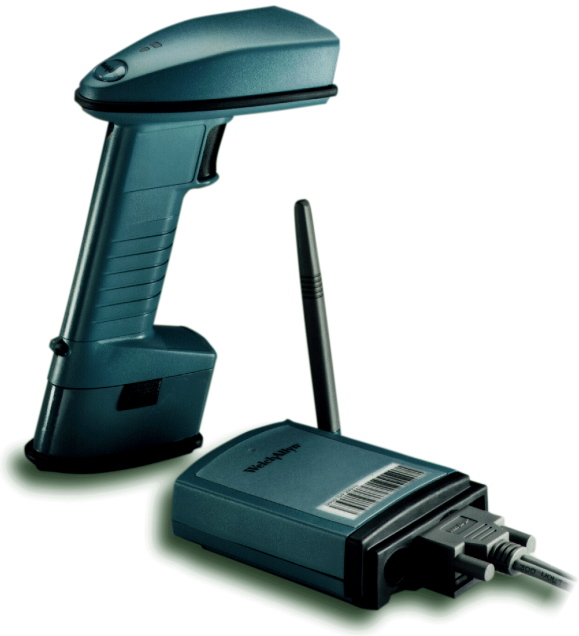
HAND HELD PRODUCTS
a WelchAllyn affiliate



SCANTEAM® 5770ALR

Cordless Advanced Long Range Laser Scanner

Cordless scanning brings a new level of flexibility and productivity to applications using automatic data collection. Similar to the impact of cordless telephones in consumer markets, the freedom of cordless scanning expands the applications for scanning bar codes by taking the scanner to the job rather than taking the job to the scanner.

The cordless SCANTEAM 5770ALR, designed to be easy to use, consists of the long range laser scanner plus the SCANTEAM® 2070 host interface base unit. The SCANTEAM 5770ALR reads bar codes from as far as 17 feet (5 meters) away. The SCANTEAM 2070 host interface base is backed by a solid reputation for highly programmable options and a broad suite of supported terminal interfaces.

The SCANTEAM 5770ALR cordless scanner addresses the needs of many applications. It is designed for tough industrial use, such as on loading docks, where shipping and receiving of materials requires the freedom to move around. The cordless scanner is also ideal for manufacturing applications, such as work-in-process, where safety may be an issue. Eliminating the cables prevents the cord from getting entangled in machinery and equipment, thus avoiding the chance of an accident. Other applications include interfacing to RF LAN based terminals mounted on forklift trucks, tool crib management, asset tracking, inventory control, and point-of-sale terminals.

Features & Benefits

Multiple Scanner Support

Each base unit supports up to 9 scanners simultaneously. This increases productivity and flexibility without the added costs of additional bases and terminals.

Application Work Groups

Supports up to 9 application work groups on a single base. This extremely powerful feature increases the number of jobs supported by a terminal, and allows you to easily adjust to changing workloads.

Broad Range Coverage

Scanner coverage of up to 7850 square feet (730 square meters) in open air environments increases mobility and productivity by allowing the scanner to be taken to the job, rather than taking the job to the scanner.

Eliminates Cables

Improves safety conditions by avoiding accidents and injury as a result of cables becoming entangled in equipment and machinery.

Unique Charge Pack Design

Removable charge pack that is recharged by plugging into a simple 120 volt wall outlet, and operates through the entire work day.

State-of-the-Art Radio Technology

Two-way 2.4 GHz frequency hopping spread spectrum radio with forward error correction is robust against interference. Makes use of the license-free ISM band. Robust system delivers reliable and snappy, error-free communication.

SCANTEAM® 5770ALR

Optical Performance

Light Source:	650nm visible laser diode (VLD)			
Scan Rate:	36 scans per second			
Field Width:	9 in. at 43 in. (22.9 cm at 109.2 cm) on 15 mil 20 in. at 99 in. (50.8 cm at 251.5 cm) on 55 mil			
Working Distance:	**13 mil**	**30 mil**	**55 mil**	**100 mil Retro Reflective**
	20 - 37 in. (51 - 94 cm)	40 -88 in. (102 - 224 cm)	26 - 99 in. (66 - 252 cm)	10.25 - 26.8 ft. (3.1 - 8.2 m)
Print Contrast:	40% MRD			
Skew Angle:	± 30° maximum from normal			
Pitch Angle:	± 55° maximum from normal			

Mechanical/Electrical

	5770 Scanner	2070 Base
Dimensions		
Weight:	16 oz. (450 g) w/battery	7.25 oz. (206 g) w/o cable
Height:	8.3 in. (21 cm)	1.4 in. (3.6 cm)
Power Requirements		
Input Voltage:	4.32 to 6 VDC	4 to 14 VDC
Current Draw		
Operating:	210 mA (typical) while scanning	325mA(typical)@5VDC
(Idle Modes Available)	400 mA (max)@ 4.8V	
Standby:	12 mA	NA

Environmental

Sealing:	IP 54 (Water and Dust Resistant)	IP 53 (Water and Dust Resistant)
Temperature		
Operating:	-4° to 122°F (-20° to 50°C)	-4 to 122°F (-20° to 50°C)
Storage:	-22° to 158°F (-30° to 70°C)	-40° to 158°F(-40° to 70°C)
Humidity:	0 to 95%, non condensing	0 to 95%, non condensing
Mechanical Shock:	Functional after 26 drops from 6ft. (1.8 m)	Functional after 26 drops from 4ft. (1.2 m)
Ambient Illumination:	0-100,000 lux	NA

ESD Protection:	Functional after 15 kV discharge
Laser Classification:	CDRH Class II (U.S.), Class IIIa (Europe)
Radio	
Frequency:	2.4 to 2.4835 Ghz (ISM Band) Frequency-Hopping Spread Spectrum
Data Rates:	1 Mbps

Charge Pack

	Nickel Metal Hydride (NiMH) battery
Input Voltage:	120 V/240 V, 50/60HZ
Capacity:	1000 mAh, min.
Number of Scans:	18,000 scans in 25 hours, when properly conditioned
Expected Hours of Operation:	25 hours @ 1 scan every 5 seconds
Charge Time at 120 Vac:	6 hours for full charge from full discharge

Interface

Symbologies Supported: Codabar, Code 39, Code 128, ISBT 128, UPC/UPC-E, EAN/JAN, Code 2 of 5, Interleaved 2 of 5, Code 93, Code 11, ISBN, Telepen.

Agency Conformance:

Electromagnetic Emissions/Immunity	Safety	RF Approvals
USA: FCC Part 15, Class B **Canada:** SOR 88/475 Class B **Europe:** EN 55022 (CISPR22) Class B, EN 61000-3-2 & -3, ETS 300 826 **Other:** EMC 89/336/EEC, EN 50082-1:1992, IEC 801-2:1991, IEC 801-3:1984, IEC 801-4:1988	**USA:** UL listed, C22.2 No 950/UL 1950 **Canada:** cUL Listed **Europe:** TUV Rheinland GS Licensed EN 60950 (IEC950) **Australia:** AS/NZS 3548 N344	**USA:** FCC Part 15.249 **Canada:** RSS 210 **Europe:** ETS 300 328 **Singapore:** Type Approval for Spread Spectrum System

CE Complies with EMC 89/336/EEC, UL and cUL.

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