



# SCANTEAM<sup>®</sup> 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<sup>®</sup> 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.*

#### **Rugged Design**

*Water & dust resistant to IP-54 rating.*

#### **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.*



## 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

<b>Working Distance:</b>	<b>13 mil</b>	<b>30 mil</b>	<b>55 mil</b>	<b>100 mil</b>
	20 - 37 in. (51 - 94 cm)	40 - 88 in. (102 - 224 cm)	26 - 99 in. (66 - 252 cm)	<b>Retro Reflective</b> 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
<b>Dimensions</b>		
<b>Weight:</b>	16 oz. (450 g) w/battery	7.25 oz. (206 g) w/o cable
<b>Height:</b>	8.3 in. (21 cm)	1.4 in. (3.6 cm)
<b>Power Requirements</b>		
<b>Input Voltage:</b>	4.32 to 6 VDC	4 to 14 VDC
<b>Current Draw</b>		
<b>Operating:</b>	210 mA (typical) while scanning	325mA(typical)@5VDC
(Idle Modes Available)	400 mA (max)@ 4.8V	
<b>Standby:</b>	12 mA	NA
<b>Environmental</b>		
<b>Sealing:</b>	IP 54 (Water and Dust Resistant)	IP 53 (Water and Dust Resistant)
<b>Temperature</b>		
<b>Operating:</b>	-4° to 122°F (-20° to 50°C)	-4 to 122°F (-20° to 50°C)
<b>Storage:</b>	-22° to 158°F (-30° to 70°C)	-40° to 158°F(-40° to 70°C)
<b>Humidity:</b>	0 to 95%, non condensing	0 to 95%, non condensing
<b>Mechanical Shock:</b>	Functional after 26 drops from 6ft. (1.8 m)	Functional after 26 drops from 4ft. (1.2 m)
<b>Ambient Illumination:</b>	0-100,000 lux	NA
<b>ESD Protection:</b>	Functional after 15 kV discharge	
<b>Laser Classification:</b>	CDRH Class II (U.S.), Class IIIa (Europe)	
<b>Radio</b>		
<b>Frequency:</b>	2.4 to 2.4835 Ghz (ISM Band) Frequency-Hopping Spread Spectrum	
<b>Data Rates:</b>	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.

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

## Agency Conformance:

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