

# SCANTEAM® 5400/B Series

## Standard Performance Hand Held Laser Scanner



### Description

The SCANTEAM® 5400/B Hand Held Laser Scanner gives "best of class" performance for mid-range lasers, with the value and durability you expect from Welch Allyn. The 5400/B is available with a full suite of decoded output interfaces or non decoded for connection to an external decoder or 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.

### Applications

The 5400/B reads 100% UPC bar codes from contact to 10 inches, an ideal range for general purpose scanning and point of sale use. They also offer Dual Interface - with a simple cable change, the scanner automatically switches interfaces (such as from retail POS to portable data collection), increasing functionality and cost effectiveness.

### Features

#### Excellent Range

#### Auto Scanning

#### Dual Interfaces

#### Flash Memory

#### Rugged Design

#### Common Architecture



#### Two Year Warranty

### Benefits

- Working distance up to 20 inches.
- Hands free scanning option for faster throughput.
- A simple cable change automatically allows one scanner to be used on two terminal interfaces.
- Field upgradable memory extends the useful life of the product.
- Durable products that survive in the real world.
- Common interfaces, cables, and programming with Quick\*Load.
- Full factory warranty, plus world wide service and support.

## Specifications

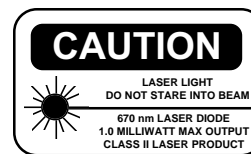
### Performance


**Type:** Bidirectional scanning  
**Scan Element:** Mylar resonant scan element  
**Light Source:** 675nm visible laser diode (VLD)  
**Laser Power:** .54 mW  $\pm$  5%  
**Scan Rate:** 36 scans/sec. nominal  
**Field Width:** 12.2 in. (30.9cm) at 12 in. (30.5cm)

Working Distance	5 mil	7.5 mil	10 mil	20 mil	55 mil
	0 in. - 3.5 in. (8.89cm)	0 in. - 5.5 in. (13.97cm)	0 in. - 10 in. (25.4cm)	ACAP* - 12.5 in. (31.75cm)	ACAP* - 20 in. (50.8cm)

\*ACAP = As close as possible to allow beam to fully cover target bar code

**Print Contrast:** 25% MRD  
**Skew Angle:**  $\pm$  65° (from perpendicular)  
**Pitch Angle:**  $\pm$  55° (L/R from perpendicular)



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

### Mechanical/Electrical

#### Dimensions

**Weight:** 5 oz. (140g)  
**Length:** 5.8 in. (14.8cm)  
**Width:** 3.0 in. (7.5cm)  
**Laser Classification:** CDRH Class II

#### Power Requirements

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

#### Current:

Product	Idle	Scanning
5400/B-X0	.035 mA	110mA
5400/B-X1	100mA*	200mA
5400/B-X2	70mA*	170mA
5400/B-X3	90mA*	190mA
5400/B-X4	10mA	110mA

\*When operated in switched power mode, idle current is less than 0.06mA.  
 -Add 10% for hands-free scanning option

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

### Environmental

**Ambient Light:** Sunlight: 8000 ft. Candles  
**Temperature Ranges**  
**Operating:** 32°F to 104°F (-0°C to 40°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; 1 2 of 5; 2 of 5; Matrix 2 of 5; 11; 93; MSI; Plessey; and Codabar

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Due to Welch Allyn's continuing product improvement programs, specifications and features herein are subject to change without notice.