# SCANTEAM® 3400 Series Hand Held CCD Scanners



## Description

The SCANTEAM® 3400 Series bar code scanners combine the performance advantages and durability of a CCD scanner with the distance reading ability of a laser scanner. They are comfortable to use and extremely fast at reading and decoding bar code data.

The two available SCANTEAM 3400 scanners are the 3400LR, which reads medium density bar codes at a long distance, and the 3400HD which reads high density bar codes at a short distance. They both offer non decoded or decoded output versions with interfaces for over one hundred PCs and terminals.

Several models are available to read PDF417 bar codes. The 3400PDF/HD is for general purpose reading at close distances. The 3400PDF/LR is a special purpose model, designed to read larger PDF417 codes on shipping labels at distances up to 7 inches. Both versions are available with Keyboard Wedge for compatible PC, TTL, or True RS-232 serial output, or Wand Emulation output.

### Applications

Memory

The SCANTEAM 3400 scanners are found in a wide variety of applications. Banks, post offices, retail point-of-sale lanes, government document processing offices, utility account payment centers reading monthly invoices, shipping and receiving docks scanning packages, and factories tracking work-inprocess.

#### Features Benefits

- Choice of Scanning<br/>DistanceLong range scanning for general<br/>purpose use. High density scanning<br/>for higher resolution bar codes.Full Sunlight<br/>OperationWorks well in front of bright windows or<br/>outdoors.Wide Angle Reading<br/>Rugged DesignReads extra long bar codes with ease.Field UpgradableLasts longer under years of hard use.
  - Easy to customize or upgrade. Protects investment costs.

#### **Multiple Connections and Interfaces**

The SCANTEAM 3400 scanners connect to retail terminals, personal computers, portable data terminals, and custom machines. Interfaces for non-PDF scanners include Keyboard Wedge, RS-232, OCIA, Apple, IBM 4683, HP, WYSE, and DEC VT, Wand Emulation and Non Decoded laser compatible output. Interfaces for PDF include Keyboard Wedge, TTL, or True RS-232 serial output, or Wand Emulation output.

#### **New Performance Levels**

The SCANTEAM 3400 scanners reach new levels of performance.

- Faster Scanning
- Read in Full Sunlight
- Wider Angle Reading
- Brighter, Sharper Aiming Line
- Read Higher Resolution Bar Codes



### **Product Literature**

#### **Specifications**

Symbologies Supported:

#### Performance

Performance		
	<u>ST3400LR</u>	<u>ST3400HD</u>
Reading Distance		
Low Density Code (20 mil):	0 to 7 in. (17 cm)	0 to 2.8 in. (7 cm)
Medium Density Code (13 mil):	1.5 to 6 in. (4 to 15 cm)	0 to 2.5 in. (6 cm)
High Density Code (4 mil):		.7 to 1.5 in. (2 to 4 cm)
Maximum Resolution 3400: 3400PDF:	7 mil 10 mil PDF417	4 mil 6 mil PDF417
ReadingWidth		
Low Density Code (20 mil):	7.0 in. (18 cm)	4.0 in. (10 cm)
Medium Density Code (13 mil):	5.0 in. (12 cm)	4.0 in. (10 cm)
High Density Code (4 mil):		2.0 in. (5 cm)
Minimum	27 50/	27 50/
Reflective Difference:	37.5%	37.5%
Scan Rate Decoded Output:	112 s/s	112 s/s
Non Decoded Output:	50 s/s	50 s/s
Illumination:	660 nm Visible Red LED	
Receiving Device:	High Resolution Linear CCD	
Mechanical/Electrical		
Dimensions		
Weight:	7.5 oz. without cable	
Height:	7.5 in. (190 mm)	
Power Requirements Input Voltage:	5 Vdc <u>+</u> 10%	
Current Draw:	180 mA @ Vdc + 10%	
	Less than 100 uA in low power mode	
Environmental		
Temperature Operating:	220E to 1220E (00C to E0	
Storage:	-32°F to 122°F (0°C to 50°C) -40°F to 158°F (-40°C to 70°C)	
Humidity:	0 to 95%, non condensing	
Mechanical Shock:	Functional after 25 drops from 5ft. (1.5 m)	
Ambient Illumination:	0-100,000 lux	
ESD Protection:	Functional after 15 kV discharge	
Agency Conformance:	3400PDF models meet the requirements of FCC Class A, and CE Class A. All other 3400 models meet FCC Class B and CE Class B.	
Interface		
Available Interfaces:	Non decoded laser comp	atible, XT, AT or PS2 compatible
	keyboard wedge, TTL or True RS-232, Wand Emulation, IBM 4683/4 DEC VT WYSE HP Apple MAC	

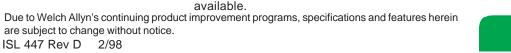


CE Complies with EMC 89/336/EEC and the 73/23/EEC Low Voltage

	and the 73/23/EEC Low Voltage Directive
il il PDF417	
in. (10 cm) in. (10 cm)	Main Office 4619 Jordan Road Skaneateles Falls, NY 13153-0187 Tel: (315) 685-8945 Fax: (315) 685-3172
in. (5 cm)	European Office
5% s/s	Welch Allyn Ltd. Block 1, Bracken Business Park Sandyford, Co Dublin Ireland Tel: Int+353-1-216-0070 Fax: Int+353-1-295-6353
73	U.K. Office Welch Allyn U.K. Ltd. Dallam Court Dallam Lane Warrington Cheshire WA2 7LT United Kingdom Tel: Int+44 1925 240055 Fax: Int+44 1925 631280
r mode	Asia/Pacific Office 10/F, Tung Sun Commercial Centre 194-200 Lockhart Road Wanchai, Hong Kong Tel: Int+852 2511 3050/2511 3132 Fax: Int+852 2511 355 Japan Office Bon Marusan 8F 3-5-1 Kanda-Jinbocho Chiyoda-ku Tokyo 101, Japan Tel: Int+81 3 5212 7392 Fax: Int+81 3 3261 7372
5ft. (1.5 m)	Latin America Office 5150 North Tamiami Trail Suite 302 Naples, FL 34103-2821 Tel: (941) 263-7600 Fax: (941) 263-9689
je	Web Site Address
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4683/4, DEC VT WYSE, HP, Apple MAC.

UPC-EO, E1, A; EAN; JAN; ISBN; all versions with

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