



# SCANTEAM<sup>®</sup> 6180

## Instant Interface Series

### Bar Code Wand Reader/Decoder

The SCANTEAM<sup>®</sup> 6180 is Hand Held Products' bar code wand reader/decoder that simplifies scanning and decoding by combining both functions into its standard wand housing.

Hand Held Products' SCANTEAM<sup>®</sup> 6180 is an economical, compact solution for any bar code data collection application that provides an RS-232 port.

#### Features & Benefits

##### **Outputs Decoded Bar Code Data in Serial ASCII Format**

*Serial Communication; TTL (0 and +5VDC)*

##### **Decoder Contained in the Standard Wand Housing**

*No external decoder required*

##### **Programmable From Host or Bar Code Menu**

*Easy to program*

##### **AutoDiscriminates 10 Bar Code Symbologies**

*Suitable for a variety of bar code reading applications*

##### **Wand Emulation Converts to Code 3 of 9 Digital Output**

*Upgrades a system that decodes Code 39 to decode 10 additional symbologies*

##### **External Power Supply or Battery Pack Available**

*Option for serial port without external power options offered for customer convenience*

**Performance**

**Input/Output:** Output Format: TTL RS-232  
 Input Format: Accepts TTL or True ( $\pm 12$ VDC)  
 RS-232 interchangeable

**Good Read Indicator:** Audible

**Aperture:** 6 mil, 8 mil

**Light Source:** 660nm Visible red LED

**Tilt Angle:** 0°-35° typical

**Depth of Field:** 0.065 in (1.6mm)

**Minimum Reflectance Difference (MRD):** 37%

**Scan Speed:** 2-50 in./sec. (5-127cm/sec.)

**Mechanical/Electrical**

**Dimensions**

**Weight:** 3.6 oz. (102g) with 6 foot (1.8m) coiled cord

**Length:** 7.5 in. (19.1cm) includes strain relief

**Diameter:** 0.50 in. (1.3cm)

**Scanner Housing:** Metal

**Scanner Tip:** Field replaceable sapphire tip

**Power Requirements**

**Operating Voltage:** 4.5 to 5.5VDC: up to 100mV peak to peak noise

**Operating Current:** Active (scanning) = 19mA typical  
 Low power mode (not scanning) = 3-4 mA typical

**Electrical Connections:** +5VDC  
 Ground  
 Receive Data  
 Transmit Data

**Connector:** 9 pin D shell standard; other terminations available

**Beeper:** Located in scanner housing

**Cord:** Standard 6 foot coil cord (1.8m).

**Environmental**

**Temperature Operating:** -4°F to 122°F (-20°C to 50°C)

**Storage:** -40°F to 158°F (-40°C to 70°C)

**Humidity:** 95% maximum non-condensing

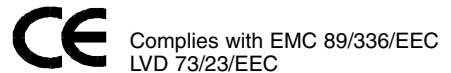
**Shock:** Functions normally after fifty 3 foot drops onto a concrete surface

**Agency Approval:** FCC Class B, CE

*Programmable Features*

Programmable features that are stored in non-volatile memory include data format, communications protocol, input/output parameters and autodiscrimination among the following symbologies:

Code 39	EAN/JAN
Interleaved 2 of 5	Code 128
Code 2 of 5	Code 93
UPC-E/A	Code 11
MSI	Codabar



Switzerland • **OPAL Associates AG** • Motorenstrasse 116 • CH-8620 Wetzikon • Telefon +41 (0)1 931 12 22 • Telefax +41 (0)1 931 12 20 • Email info@opal.ch • **OPAL Associates SA** • Avenue des Boveresses 54 • Case postale 29 • CH 1000 Lausanne 21 • Telefon +41 (0)21 653 95 00 • Telefax +41 (0)21 653 95 02 • Email info@opalsa.ch • **Germany • OPAL Associates GmbH** • Lohnerhof-Str. 2 • D-78467 Konstanz • Telefon +49 (0)7531 813 000 • Telefax +49 (0)7531 813 00 99 • Email info@opalgmbh.de • **OPAL Associates GmbH** • Osterholder Allee 2 • 25421 Pinneberg • Telefon +49 (0)4101 787 615 • Telefax +49(0)4101 787 616 • Email hamburg@opalgmbh.de • **Austria • OPAL Associates GesmbH** • Vorarlberger Wirtschaftspark • A-6840 Götzis • Telefon +43 (0) 5523 58833 • Telefax +43 (0)5523 521569 • Email info@opalgmbh.at