

## LA 119 SERIES

### FEATURES

- Rugged, durable case
- Double spiraled, "High-Flex" cable
- Spring loaded, ruby ball tip
- Reads through laminates
- Operates in extreme temperatures
- Works with most standard decoding devices



BAR CODE WAND

### TOUGHEST WAND AVAILABLE

LA 119 wands are built to take a real beating. Experience shows that cables are the most vulnerable part of a bar code wand. Our double-spiraled, "High-Flex" cable greatly reduces failure rates. This durable cable is designed to withstand 2 million 90° bends with a one pound weight.

A wand tip must scan millions of labels and withstand accidental drops to the floor. The LA 119's synthetic ruby ball tip is second only to diamond in hardness and is spring loaded to dampen impact. Self-cleaning, the ruby ball tip assures consistent read performance by protecting the optics from dust and dirt. The extruded, seamless, stainless steel case withstands harder knocks at the workstation than competitive wand cases.

### PERFORMS IN EXTREME WEATHER

The LA 119 is designed to operate in any environment, from -5 to +120° F. Opticon's wide temperature range may mean the difference between a working or nonworking bar code wand in extreme weather conditions.

### READS UNDER INTENSE SUNLIGHT

A special optical bandpass and electrical filter ensures that the LA 119 will read bar codes in direct sunlight or under strong fluorescent lighting.

### IDEAL GENERAL PURPOSE WAND

The LA 119 is designed to read the widest range of bar codes, including both marginal quality dot matrix and high density labels. Opticon wands are available with an assortment of connectors to match your existing hardware. Alternate tip diameters are possible.

"We recommend Opticon scanners frequently because of the high level of abuse they can take."

### OUR PROMISE

*At Opticon, our mission is to provide bar code scanning products that are easy to use, built-to-last, fit your exact requirements and are supported by an experienced, responsive team of professionals. We believe that accomplishing our mission is dependent upon operating with a set of important core values—Passion, People, Creativity and Teamwork. All our employees work to understand and apply these values in everything that they do.*

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## BAR CODE WAND

### OPTICAL

|                         |   |
|-------------------------|---|
| Illumination            |   |
| Wavelength              | Red ( $\lambda= 660$ nm)<br>Infrared ( $\lambda= 940$ nm) |
| Resolution              | 4, 6, 7.5, 10 and 15 mils                                 |
| Tilt Angle              | 50°   |
| Depth of Field          | 0 to 40 mils (1.0 mm)                                     |
| Print Contrast Ratio    | 0.3   |
| Scan Velocity           | 2 to 80 in/sec. (7.5 mil label)                           |
| Ambient Light Rejection | 3 kilolux fluorescent light;<br>30 kilolux incandescent   |

### ELECTRICAL

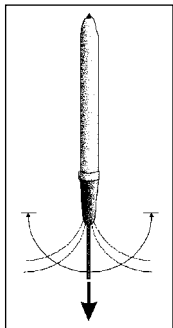
|                  |   |
|------------------|---|
| Supply Voltage   | 5VDC (typ.)                               |
| Current          |   |
| Operating        | 20 mA nominal                             |
| Standby          | 0.3 mA (LED off)                          |
| Digital Output   | Open collector;<br>Black=high logic level |
| ESD              | 50 discharges max. /15KV                  |
| Shield Isolation | 10 M $\Omega$                             |
| Grounds          | Separate case and signal grounds          |

### ENVIRONMENTAL

|                    |                                |
|--------------------|--------------------------------|
| Temperature        |                                |
| Operating          | -20 to +49° C (-5 to +120° F)  |
| Storage            | -30 to +70° C (-22 to +158° F) |
| Operating Humidity | 0 to 95% non-condensing        |

### PHYSICAL

|               |                              |
|---------------|------------------------------|
| Case Material | Extruded Stainless Steel     |
| Dimensions    | 5.5 x 0.5" (diam.)           |
| Weight        | 100 g (3.5 ounces) w/o cable |
| Tip           | Synthetic ruby ball          |
| Cable Length  | 10 ft. nominal               |



**Shock**  
No damage after 5 foot drop from any position onto concrete surface.

**Cable**  
Withstands over 2 million 90° angle bends at 1 pound tension

### STANDARD PINOUTS DB9F

| Pin # | Function |
|-------|----------|
| 2     | TTL Data |
| 7     | Ground   |
| 9     | +5V      |

Custom options include separate LED enable input.

### ORDERING INFORMATION

#### Part Number

LA11918R00C-028

Ask our customer service department for assistance in selecting the connector, pinouts, or tip size that best suits your needs.

### WARRANTY

Opticon LED scanners are warranted for a period of five (5) years, including parts and workmanship. Visit our web site for details.

### TECHNICAL SUPPORT / SALES

Opticon's experienced, well trained technical support team is available to answer questions and assist you in every way possible in support of our products. Call today to find out how the scanner can be adapted to your design: 800.636.0090, or visit our web site at [www.opticonUSA.com](http://www.opticonUSA.com).

25-DLA10001-01 Rev A  
Specifications subject to change without prior notice.

CUSTOM-BUILT. BUILT TO LAST.



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