L3’s LED round gauges take advantage of modern solid state display technology to provide a rugged, cost effective, form, fit, and function digital replacement for the current analog, electro-mechanical indicators. The LED round gauges are a simple drop-in replacement for existing indicators, utilizing the existing aircraft wiring and connectors.

**Replacement for Legacy Electro-Mechanical Indicators**

**KEY FEATURES & BENEFITS**

- 2-inch round dial
- Solid-state device (LED) has increased tolerance to shock, vibration and temperature
- Significant weight reduction compared to LCD technology and current electro-mechanical approach
- Increased reliability and reduced power over LCD technology
- No software or microprocessor, eliminating key area for obsolescence
- Replacement for:
  - Hydraulic Pressure
  - Hydraulic Temperature
  - Hydraulic Reservoir Level
  - RPM
  - Air Speed
  - Altimeter
  - Turbine Inlet Temperature
  - Fuel Flow
  - Fuel Quantity
  - Engine Oil Temperature
  - Engine Oil Pressure
  - Vertical Scale Indicator
# LED Round Gauges

## Replacement for Legacy Electro-Mechanical Indicators

### Specifications

#### Optical Performance

<table>
<thead>
<tr>
<th>Luminance</th>
<th>Day: &gt; 150 fL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Night Bright: 1.0 fL</td>
</tr>
<tr>
<td></td>
<td>Night Dim: 0.15 fL</td>
</tr>
</tbody>
</table>

| NVIS       | MIL-L-85762 Class A Compatible |

#### Physical Description

<table>
<thead>
<tr>
<th>Weight</th>
<th>Approx. 1.0 lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>2.0” (dia) x 2.75” (d)</td>
</tr>
<tr>
<td>Input</td>
<td>28 VDC</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>1-4 W (varies based on brightness)</td>
</tr>
</tbody>
</table>

#### Functional Description

- Analog input (1) [0-5 VDC]
- Resistive input (1) [65-155 ohms]
- RMS input (1) [0-5 VAC]
- RMS output (1) [5.3 VAC]
- Open/Ground discrete inputs (2)

#### General Features

- Arc of 39 LEDs
- Three (3) digital numerical display
- Limit (out of range) indicator
- Exceedance capture & display
- Built-in test

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**L3 Aviation Products** is a leading provider of commercial and military avionics, as well as MRO services. We manufacture a diverse line of safety- and efficiency-enhancing products that sets the standard for next-generation cockpit requirements.