The new EOS PSLRF Laser Rangefinder is the latest development in the LRF product family of EOS. This LRF is a compact sensor device which can be flexibly adapted to meet customer’s requirements.

Main applications are in industrial automation where a compact, low power consumption (battery operation is possible) ranging system is required.

PSLRF provides longlasting reliable operation with cm accuracy

In order to suit each application, EOS offers customized features such as:
- Interface
  (like Profibus, CANopen, Ethernet, RS232)
- Laser wavelength (infrared, visible)
- Ranging distance (1 – 10 m)
- Measurement rate (up to a few kHz)
- Resolution and accuracy (mm - cm)
Laser Rangefinder

Technical Specifications

Range (unambiguous) 2.5 m
Wavelength: 655 nm
Laser safety: eye safe, Laser class 2
(< 1 mW average output power)
Power consumption: 5 V / 275 mA
Temperature range: -20 °C to +70 °C
Interface: RS232 (optional: CANopen, Profibus, Ethernet)
Weight: 224 gr
Dimensions (mm): 95 x 55 x 32

<table>
<thead>
<tr>
<th>Measurement rate</th>
<th>Repeatability (3 sigma)</th>
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</thead>
<tbody>
<tr>
<td>1 kHz</td>
<td>11 mm</td>
</tr>
<tr>
<td>100 Hz</td>
<td>4 mm</td>
</tr>
<tr>
<td>10 Hz</td>
<td>1 mm</td>
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