

# ProLAD

- Digital Camera Sensor



- Laser class II
- Compact design
- Easy to install
- Stable readings even in harsh conditions
- No safety measures required

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The ProLAD digital camera sensor from Precimeter combines high performance laser triangulation with all the control functions you need to maintain molten metal level, or other chosen application.

The patented digital camera technology in the ProLAD sensor results in very high sensitivity and accuracy. This enables the use of class 2 lasers, which means that no special safety measures are required. The advanced technology makes it possible to give stable readings even when the material reflectivity changes dramatically and in harsh conditions like steam and smoke.

The built-in PI controller eliminates the need for an external industrial controller. The system cost is reduced and setting up the system becomes easy. ProLAD is especially designed for Launder, Furnace and Mold level control.

Technical Specifications		Advantages
<b>Sensor type:</b>	<b>CD900R750</b>	<ul style="list-style-type: none"> <li>• No safety measures required, no yearly eye examination, no laser officer required.</li> <li>• Stable readings even in difficult environments</li> <li>• Laser class II approved.</li> <li>• Easy to install</li> <li>• Compact design</li> <li>• Metal Level Control systems adapted to our actuators and sensors are available</li> <li>• <b>PI Tool Software</b> gives access to all sensor parameters.</li> </ul>
<b>Clearance Distance:</b>	900 mm (35.4")	
<b>Measurement Range:</b>	750 mm (29.5")	
Light source:	Laser diode 635 nm (visible red)	
Laser power:	<1 mW, Class II	
Sampling frequency:	252 Hz	
Communication:	RS232-C	
Analog output:	4-20 mA (optional 0-10 VDC, 0-20 mA)	
Temperature output:	4-20 mA (0-100 °C)	
Resolution:	±1 mm / ±0.04"	
Non-linearity:	±0.3 % of measurement range	
Power requirement:	18-32 VDC, < 1 A	
Relative humidity:	25-85 % (non condensing)	
2 meters of marked cable included.		

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