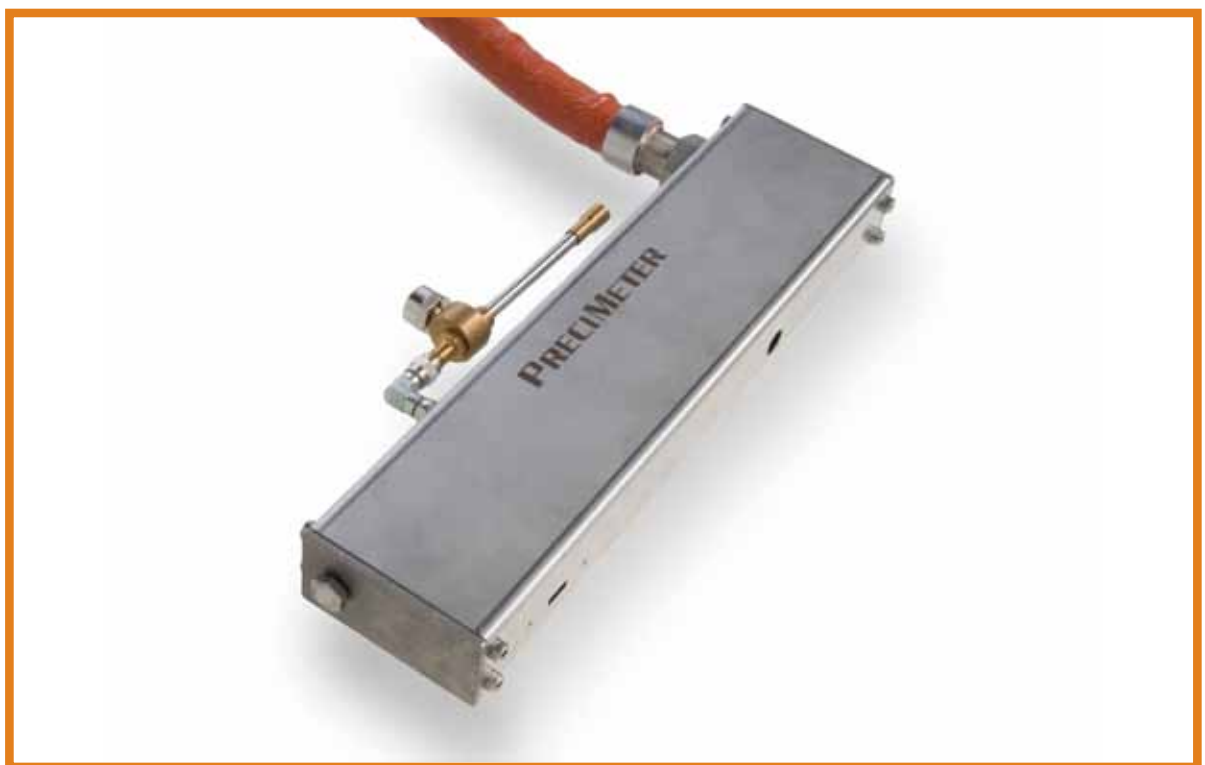


# ProH

- Laser Camera Sensor



# ProH



The Laser Camera Sensor model **ProH** from Precimeter combines high performance laser triangulation with the necessary control functions to maintain an accurate molten metal level measurement. The patented digital camera technology in the Precimeter sensors results in very high performance and resolution. With the use of Laser Class II, no special safety measures are required. The advanced technology enables stable readings even when the molten metal material reflectivity changes dramatically and/or in harsh conditions with heavy steam and smoke environment. The built in PI controller eliminates the need for an external industrial controller.

## Advantages

- Extremely accurate measurement
- Stable performance in harsh conditions/environment
- Easy installation
- Compact design
- Maintenance free
- Surface adaption system
- No calibration needed for each specific installation
- Laser class II
- **Precimeter Tool** (PC Software) for access to all sensor parameters

Sensor Models		Technical Specifications
<b>Sensor type:</b> <b>Clearance Distance:</b> <b>Measurement Range:</b>	<b>ProH CD240R325</b> 240 mm (9.4") 325 mm (12.8")	Light source: Laser diode 635 nm
<b>Sensor type:</b> <b>Clearance Distance:</b> <b>Measurement Range:</b>	<b>ProH CD450R300</b> 450 mm (17.7") 300 mm (11.8")	Laser power: <1 mW, Class II
<b>Sensor type:</b> <b>Clearance Distance:</b> <b>Measurement Range:</b>	<b>ProH CD700R300</b> 700 mm (27.6") 300 mm (11.8")	Sampling frequency: 252 Hz
<b>Sensor type:</b> <b>Clearance Distance:</b> <b>Measurement Range:</b>	<b>ProH CD900R500</b> 900 mm (35.4") 500 mm (19.7")	Communication: RS232-C
<b>Sensor type:</b> <b>Clearance Distance:</b> <b>Measurement Range:</b>	<b>ProH CD800R1500</b> 800 mm (31.5") 1500 mm (59.0")	Analog output: 4-20 mA (optional 0-10 VDC, 0-20 mA)
<b>Sensor type:</b> <b>Clearance Distance:</b> <b>Measurement Range:</b>	<b>ProH CD1500R1600</b> 1500 mm (59.0") 1600 mm (62.9")	Temperature output: 4-20 mA (0-100 °C)
<b>Sensor type:</b> <b>Clearance Distance:</b> <b>Measurement Range:</b>	<b>ProH CD2350R3000</b> 2350 mm (92.5") 3000 mm (118.1")	Resolution: R/4096
		Non-linearity: ±0.2 % of measurement range
		Power requirement: 18-32 VDC, < 1 A
		Relative humidity: 25-85 % (non condensing)

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