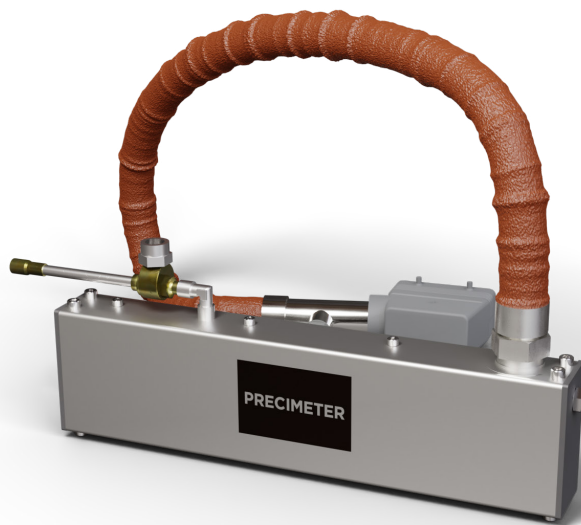
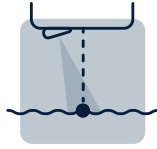


**PRECIMETER**

Molten metal level control

# ProH – Laser Camera Sensor





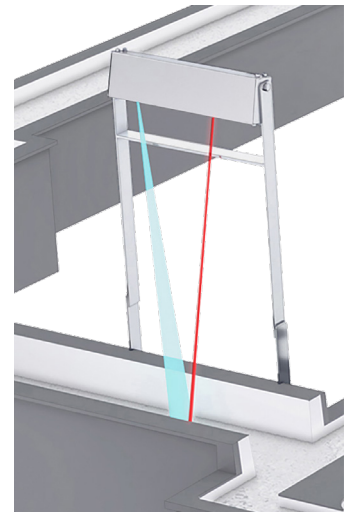
# ProH – Laser Camera Sensor

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.

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.

## 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
- ✓ Precimeter Tool (PC Software) for access to all sensor parameters



### Technical Specifications

|                      |  |
|----------------------|--|
| Power requirement    | 24 VDC < 1 A                                     |
| Level Output         | 4–20 mA  |
| Internal Temp Output | 4–20 mA (0–100°C, 32–212°F)                      |
| Digital Input        | Light source on/off                              |
| Digital Output       | Sensor status                                    |
| Resolution           | ±0.07 mm   |
| Ethernet Protocol    | Optional (Profinet, Ethernet IP or Modbus TCP)   |
| Interface            | Precimeter tool (PC software)                    |
| Sampling rate        | 50 Hz  |
| Laser power          | < 1 mW (Laser class 2) / < 5 mW (Laser class 3R) |
| Cooling              | Compressed air (3/8" connection)                 |

### Sensor Models

| Sensor Models    | Clearance Distance | Measurement Range |
|------------------|--------------------|-------------------|
| ProH CD240R325   | 240 mm (9.4")      | 325 mm (12.8")    |
| ProH CD450R300   | 450 mm (17.7")     | 300 mm (11.8")    |
| ProH CD700R300   | 700 mm (27.6")     | 300 mm (11.8")    |
| ProH CD900R500   | 900 mm (35.4")     | 500 mm (19.7")    |
| ProH CD800R1500  | 800 mm (31.5")     | 1500 mm (59.0")   |
| ProH CD1500R1600 | 1500 mm (59.0")    | 1600 mm (62.9")   |
| ProH CD2350R3000 | 2350 mm (92.5")    | 3000 mm (118.1")  |