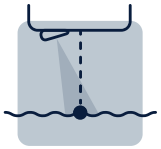
PRECIMETER

Molten metal level control

ProH Narrow – Laser Camera Sensor



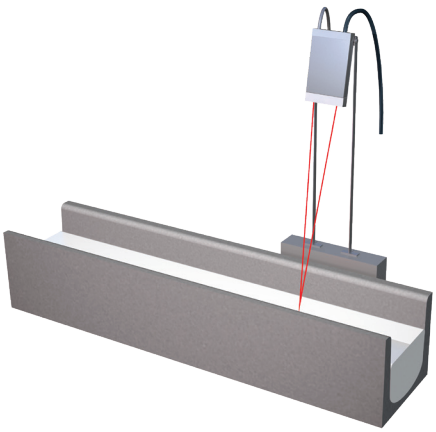
ProH Narrow – Laser Camera Sensor

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	±0.15 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	Clearence Distance	Measurement Range
ProH CD900R600	900 mm (35.4")	600 mm (23.6")