PRECIMETER

Molten metal level control

ProV – Laser Camera Sensor

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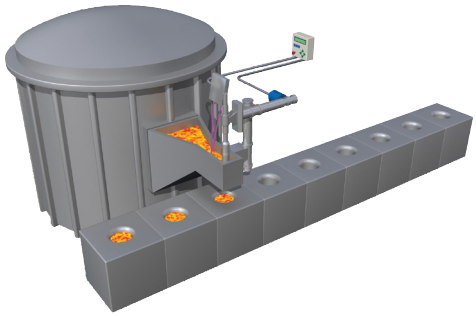
The Laser Camera Sensor model ProV from Precimeter combines high performance laser triangulation with the necessary control functions to maintain an accurate molten metal level measurement.
The patented digital camera technology in the Precimeter sensors results in very high performance and resolution. 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

- For Brass, Copper, Ferrous metals etc
- Extremely accurate measurement
- Stable performance in harsh conditions/environment
- 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	< 5 mW (Laser class 3R) / > 5 mW (Laser class 3B)
Cooling	Compressed air (3/8" connection)

Sensor Models	Clearence Distance	Measurement Range
ProV CD180R200	180 mm (7.1")	200 mm (7.9")
ProV CD1150R400	1150 mm (45.3")	400 mm (15.8")
ProV CD1000R900	1000 mm (39.4")	900 mm (35.4")
ProV CD2350R3000	2350 mm (92.5")	3000 mm (118.1")