

PRECIMETER

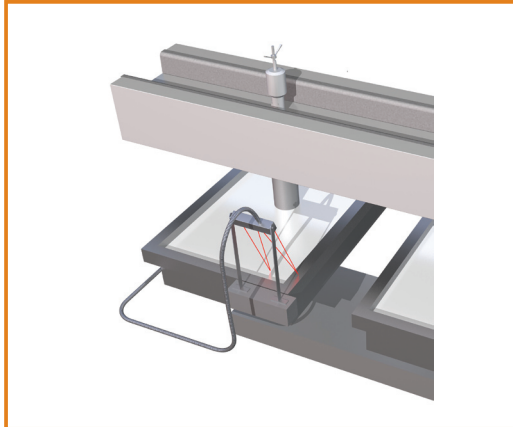
~Casting Evolution~

ProH TwinDelta



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

ProH TwinDelta



The TwinDelta sensor is, amongst others, used in slab casting applications for mold level control.

Principle

The sensor measures the difference between the edge of the mold and the molten metal surface.

This means that the calibration is maintained and the level of the molten metal is absolute correct.

The longer clearance distance reduces potential sensor damage from surface heat and loss of cooling air. This increases the life length of the light sources.

The Digital Camera Sensor family ProH from Precimeter combines high performance laser triangulation with all the control functions you need to maintain an accurate molten metal level. The patented digital camera technology in the Precimeter sensors (US patent no 4,911,551), results in very high performance and accuracy. This enables the use of Laser Class II, 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. This reduces the system cost and set up time.

Technical Specifications		Advantages
Sensor type:	ProH CD700R300	<ul style="list-style-type: none"> • No safety measures required, no yearly eye examination, no laser officer required. • Stable readings even in difficult environments • Laser class II approved. • Easy to install • Compact design • Metal Level Control systems adapted to our actuators and sensors are available • PC Software gives access to all sensor parameters.
Clearance Distance:	700 mm (27.6")	
Measurement Range:	300 mm (11.8")	
Other ranges are possible on demand.		
<p>The ProH TwinDelta was developed for a wide range of measurement scales. It can handle synchronized measurement points and can be installed in numerous applications.</p>		
Light source:	Laser diode 635 nm (visible)	
Laser power:	<1 mW, FDA 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:	0.08 mm / 0.003"	
Power requirement:	18-32 VDC, < 1 A	

Contact Precimeter Group

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