

PRECIMETER

~Casting Evolution~

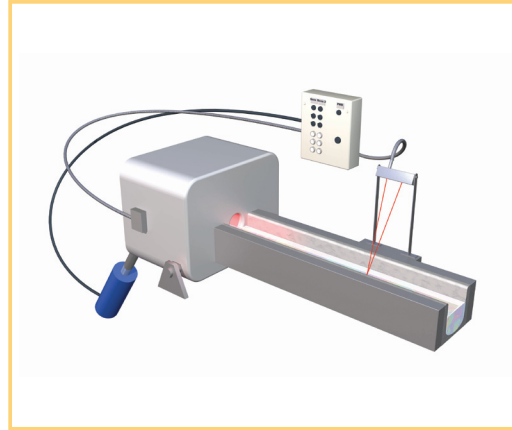
TAFB Tilt Angle Feedback



The implementation of Precimeter Technology provides many advantages

- Quality improvements
- Increased productivity
- Documentation of the process
- Raw material savings
- Energy savings
- Better use of manpower

TAFB Tilt Angle Feedback



The Tilt Angle Feedback (TAFB) is designed for use in control of a tilting furnace whenever feedback of the tilt angle is needed. The sensor is specifically engineered for use in foundries for tilt angle feedback on furnaces, ladles, launders etc in conjunction with other Precimeter equipment for metal level control.

The TAFB is a 1-dimensional $\pm 45^\circ$ tilt angle sensor.

Technical Specifications

Measurement axes:	1 axis
Measurement ranges:	$\pm 45^\circ$
Resolution (at zero point):	0.05°
Calibration accuracy (at 25°C):	$\pm 0.5^\circ$ (zero point and accumulated values)
Nonlinearity (sine):	Max. $\pm 0.3^\circ$
Temperature coefficient (zero point):	$\pm 0.009^\circ/\text{K}$
Critical frequency typ.:	18 Hz
Operating temperature:	Up to $+80^\circ \text{C}$

Characteristics

Interface current loop: 4-20 mA

Electrical Parameters

Supply voltage: 15 V DC to 30 V DC
Current consumption: $< 25 \text{ mA}$

Mechanical Parameters

Degree of protection: IP65/67
Shock survival Max.: 3500 g

Contact Precimeter Group

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