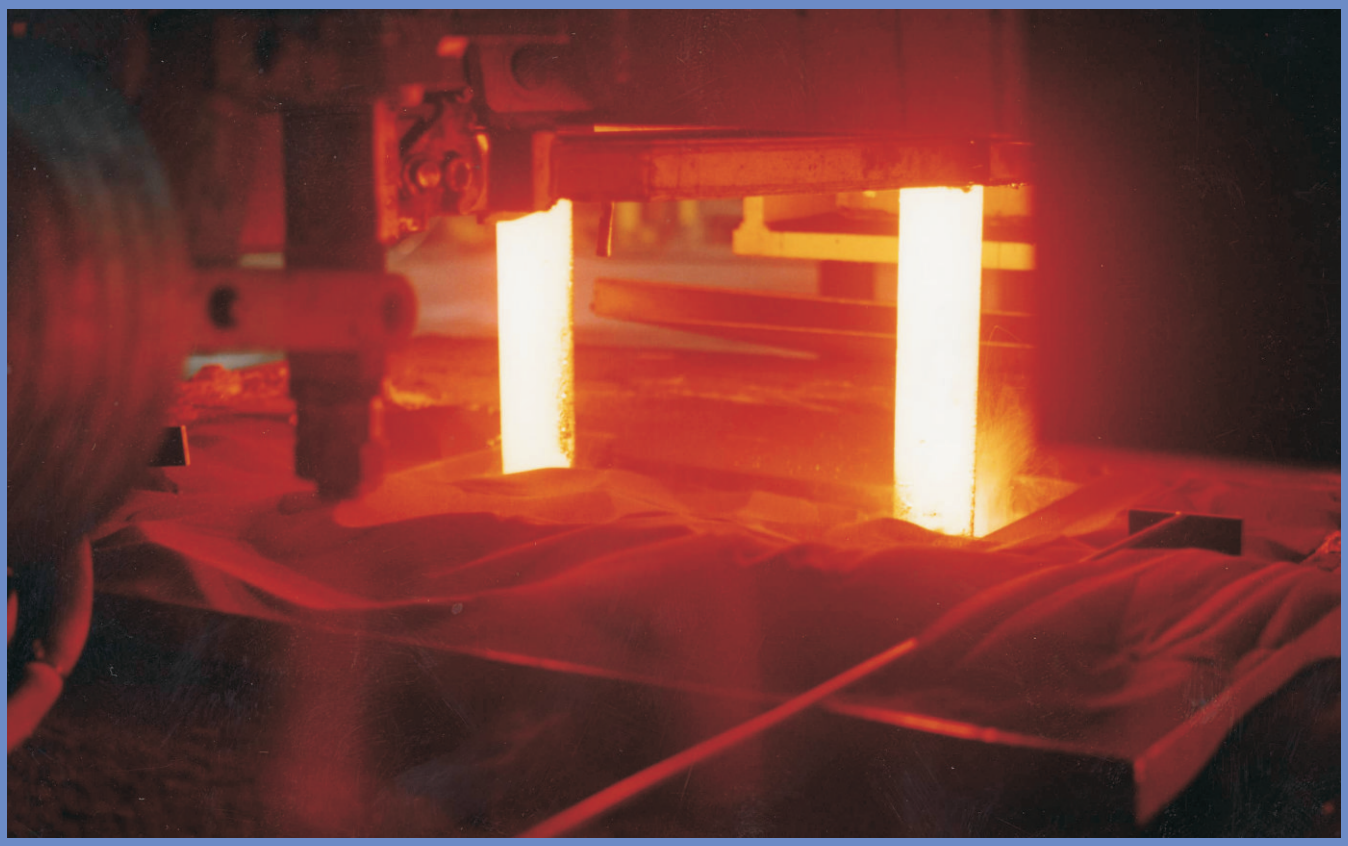

Steel Production - Continuous Casting

GAMMAcast LB 6739

Detector for Continuous Casting Applications

Maximum durability and sensitivity

The measurement of liquid steel level is one of the most difficult measuring challenges in the steel industry. Extreme ambient conditions such as heat, steam, and vibrations demand a highly resistant detector.

The radiometric continuous casting probe GAMMAcast with its distinctive design sets new standards in the technology of mould level measurement. The probe is the result of long-standing experience in the continuous casting sector and is the outcome from close co-operation with countless customers in the steel industry. GAMMAcast incorporates an unique mechanical robustness. In conjunction with well-proven high sensitivity, the GAMMAcast convinces with reliable measuring results and therefore enables optimal control of the casting process.

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Monitoring Mould Level

Advanced detector design

for the best possible measuring characteristics

Robust construction
The well thought-out mechanical design guarantees high mechanical shock-resistance and secures an increased detector life.

PlugProtect inclusive
Absolute tightness is the result of the latest connection technology PlugProtect. The protected cable connection provides a perfect seal for the detector and reliably prevents water intrusion. PlugProtect enables easy, quick, and proper cable exchange by the customer.

High quality scintillator
The applied CsI crystal is of high density and has a large volume. This yields extremely high sensitivity, which allows the use of lower source activities.

Protected electronics
As a result of extra constructive measures, the robust components are protected against most influences from electric and magnetic fields.

Or would you prefer cooling?
Depending on the operating conditions, the detectors can also be supplied with water cooling.

Detector Highlights

- Extreme resistant
- Increased detector life
- Best sensitivity
- Temperature stability
- Reliable and accurate
- Maintenance-free

Technical data LB 6739

Power supply	15 V to 24 V DC
Power consumption	approx. 1,2 W
Operating temperature	-20 °C to +50 °C (253 to 323 K) Type with water cooling required at temperatures >50 °C
Storage temperature	-20 °C to +60°C
Housing	Stainless steel 1.4301
Protection type	IP 67
Cable at Detector	6 x 0,5 mm² screened with jacket: FEP
Cable after junction box	6 x 1,5 mm²

Maximum cable length	100 m by 1,5 mm²
Cable connection	plugable, temperature protective tube, cable outlet straight or 90° HeavyCon plug compatible with Harting HAS6

Detector types

Scintillator	Dose rate in µSv/h at 3000l/s	Weight in kg (exclusive cable)	
		without water cooling	with water cooling
CsI ø 40/50	5,1	ca. 2	ca. 3
CsI ø 25/50	8,7	ca. 2	ca. 3

Right to implement technical improvements and/or design changes without prior notice reserved!

Pictures provided by Stahl-Zentrum: www.stahl-online.de

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