AVEMIS Eddy Current Mould Level Sensor (Ledge Type)
Advanced eddy-current sensor for the best level control - Ledge type

The AVEMIS XLEV-L ledge eddy-current mould level sensor provides accurate measurement and short response time for improved automatic level control performances.

**XLEV-L features**
- Precise measurement of steel level without influence of casting powder
- “Safe technology” – No more health exposure through radioactive source
- Robust water-cooled metallic body
- Fully digital signal processing with built-in Profibus DP - Ethernet/IP interface
- Dual-channel processing unit with possibility to combine different type of sensors
- Continued level measurement even during tube change operation
- Flexible location of processing unit panel with cable length up to 120 m without pre-amplifier and easy relocation of HMI
- Compatible with electromagnetic stirrers and brakes

**Mould Level Control with XLEV-L**
- Precise mould level
- Enhanced steel quality
- Reliable performance

**Suspended sensor**

AVEMIS “Suspended type” level sensor is easy to install and does not require any adaptation, the “Suspended type” sensors is a cost efficient alternative.

**Optional back-up sensor**
In case of a double channel processing unit, an additional suspended sensor with manual positioning can be used as back-up to offer a secured and safe solution.

**Thermocouple compensation**
- Signal compensation based on copper plate temperature
- Compatible with nickel coating up to the meniscus area
- Less than ±5mm long term drift even with electromagnetic stirrers and brakes

**THERMOCOUPLE CONFIGURATION**
- One sensor / One channel
  - Cost effective solution
- Dual sensors / One channel
  - Enlarged measuring area waves
  - Bias flow / Bubbles / Vortices filtering
- Two sensors / Two channels
  - Enlarged measuring area redundancy & reliability

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- "Safe technology" – No more health exposure through radioactive source
- Robust water cooled metallic body
- Fully digital signal processing with built-in Profibus DP - EtherCAT interface
- Dual-channel processing unit with possibility to combine different type of sensors
- Continued level measurement even during tube change operation
- Flexible location of processing unit panel with cable length up to 120 m without pre-amplifier and easy relocation of HMI
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XLEV-L Modular sensor configuration
- One sensor / One channel - Cost effective solution
- Dual sensors / One channel - Enlarged measuring area, waves, bias flow, bubbles, vortices filtering
- Two sensors / Two channels - Enlarged measuring area redundancy & reliability

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