Mould Level Measurement System
AGELLIS EMLI M

Mould Level Measurement
Mould Mounted Sensors

The AGELLIS EMLI M unit constantly monitors steel level in the mould during casting and provides outputs to control the flow to maintain desired operating levels. High and low levels are indicated and displayed as required.

The AGELLIS EMLI sensors and cabling are customized to fit the mould and the caster area. The sensors are designed for the extreme conditions and are water-cooled. Unlike radioactive systems the electromagnetic (eddy current) technology means that the EMLI M system gives the operator true steel level irrespective of the amount of mould powder on the steel surface.

The Management Unit is capable of running multiple units of the same or different EMLI system types. This enables the user to expand the system to run extra mould systems or add slag detection or tundish level measurement systems.

All EMLI system types have compatible parts, which means stocking spares is both simple and cost effective.

System Capabilities

AGELLIS EMLI M Sensors

Monitors metal level using sensors mounted on continuous casting slab, bloom & billet moulds in order to maintain accuracy and improve quality in the casting process.
Technical Information

AGELLIS EMLI M

Principles of Operation

A a e e a ed e n e d . . . e e e d f e . . e e u e . d c e a . . d d . e e e f e e e e e e . b e e c . a e e c . . .

A n e e n . d e e e e c e e e e a e d . e f e d c e d e c e e e . e .

The c a b a e d . . e a e d . d e e e a e e e e .

System Overview

Dimensions
Depends on mould size

Cable length
Sensors – Pre-Amp Unit: up to 25m
Pre-Amp Unit – Control Unit: Max 200m
Control Unit – Management Unit: Max 300m

Technical Information

Power Supply: 90 - 230 VAC 50/60 Hz max 500 W
Frequency: 1120Hz
Sensitivity: 0.2%
Mounting specification: De e d e ed e d . e d e e e e d .
Cooling: Ma e c . C U a b e e a e +55 C
Safety standard: C e . g . a f e . a d d .

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A n e e n . d e e e e c e e e e a e d . e f e d c e d e c e e e . e .

The c a b a e d . . e a e d . d e e e a e e e e .

Repeatability +/- mm

1.0

1.0

Normal working level

Measurement range mm

50 100 150

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