

Smelter Level Measurement System

AGELLIS SM1206

SM1206

Moving Surface/Slag Levels

Continuous Real-Time Surface/Slag Measurements to improve process control, optimize arc or blow, increase productivity & safety and reduce maintenance.

System Capabilities

The AGELLIS SM1206 unit can track different surface/slag levels depending on whether a black top or open bath practice is in operation. The system provides information to control ore charging and slag operating levels.

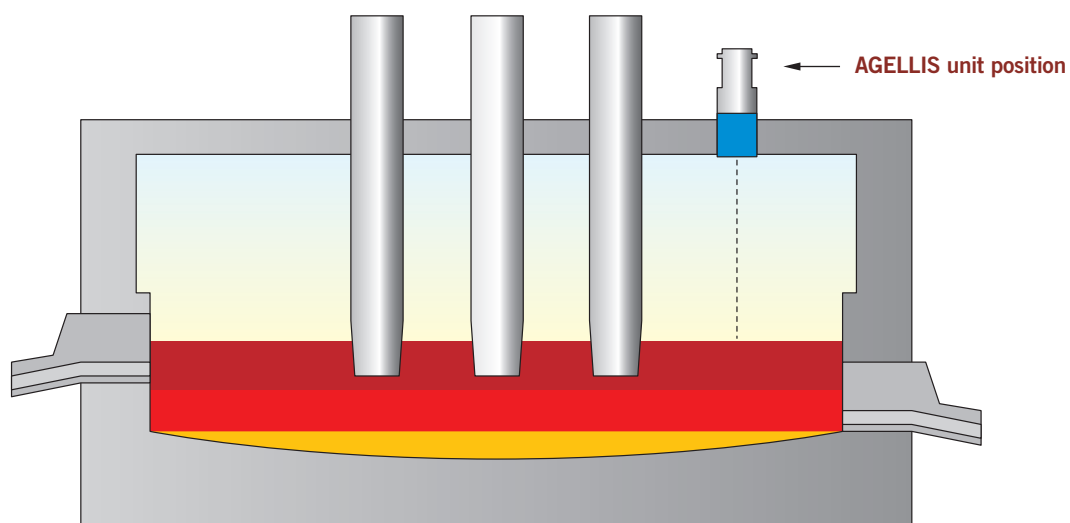
The unit works well in all kinds of industrial environment.

Dust, water vapour, high ambient temperature

and required measurement distances for the application can all be handled.

The AGELLIS unit can be customized to fit your needs with several different options for measurement display.

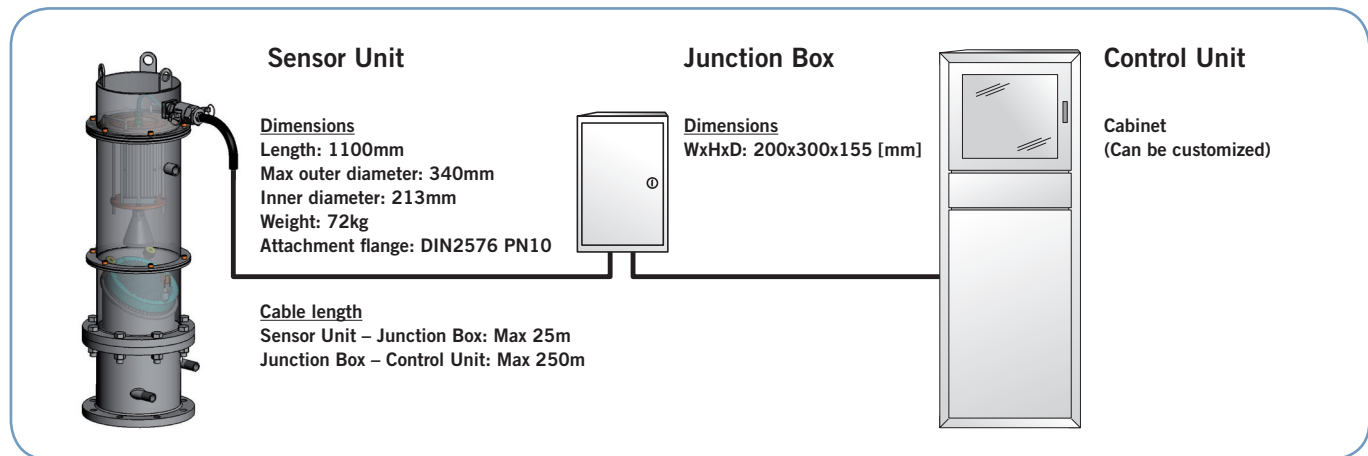
Plunger Unit available to keep access port clear where splashing/skulling is severe.



Technical Information

AGELLIS SM1206

System Overview



Technical Information

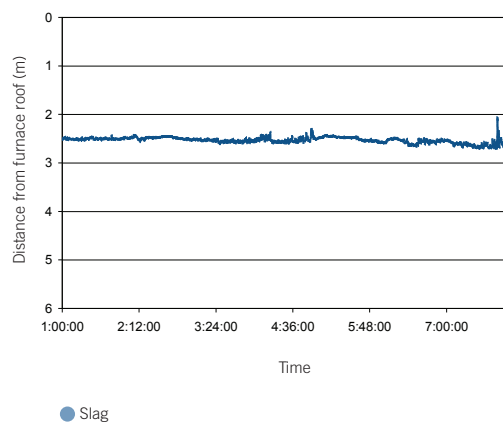
Power Supply:	90 - 230 VAC 50/60 Hz max 500 W
Microwave power:	< 50 μ W
Measuring range:	0,5 – 20 m
Mounting specification:	Designed to withstand the industrial environment in a smelter
Cooling:	Air or Nitrogen and Water cooling
Sampling frequency:	5/sec

How Measurements Are Made

The instrument is adapted to fit on the top of a Smelter positioned in order to obtain all the required measurements. Utilizing special polarizing microwave techniques the AGELLIS unit then samples data in real time.

The measurement unit information can be used to monitor the important surface/slag parameters in order to greatly improve melting performance.

In the chart the AGELLIS SM1206 is tracking the surface/slag trends continuously.



Agellis follows a policy of continual improvement of design and we must therefore reserve the right to supply equipment differing in detail from that described herein.