



STELA Eddy Current Level System

RT-1000 Series Product



PLC Controller



Coils

Radiametrics through its partnership with Qualtec a Swiss based steel automation company presents the new **STELA** gauge. This product measures the level of molten steel for continuous casting applications. We developed a completely new amplifier that eliminates many of the negatives associated with existing eddy current systems. The **STELA** system is the product of years of development and is a low maintenance steel hardened gauge.

Main Features:

- Produces a measurement range of 300mm with dual level ranges
- Digital Processor with fast update times
- Auto-tunes to each specific coil
- Eliminates temperature drift of level signal
- Contains micro preamplifier in coil arm
- Processor is PLC based and can be mounted in control room.
- PC based Visualization system allows real-time trending and historical analysis
- PCMCIA interface and CAN Bus network for multiple strands.
- Works with existing Radiametrics Coils

PLC Specifications:

Power Requirements	24VDC for PLC and 110 for Amplifier
Screen	QVGA 5,7" Graphical Display
Memory architecture	700 KB sRam, 600 Kbyte Flashprom, 1,4MB User Rom
Communication Interfaces	1 x RS 232, 1 x Can-bus
Coil	Works with RT-1040 or RT-1020S
Coil Arm	Customer Specific or adapts to NKK style
Armored Cable	50' Max length
Approvals	CE, IEC 61131-2, EN 50081-2



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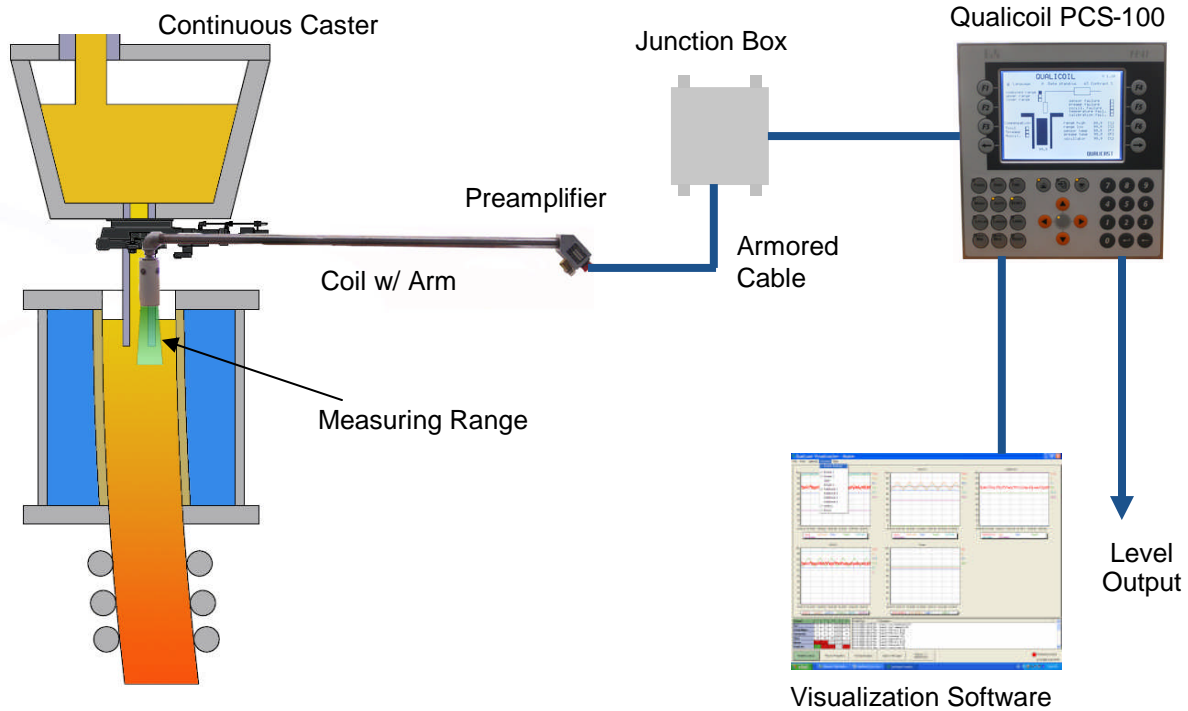
Swiss and USA Made



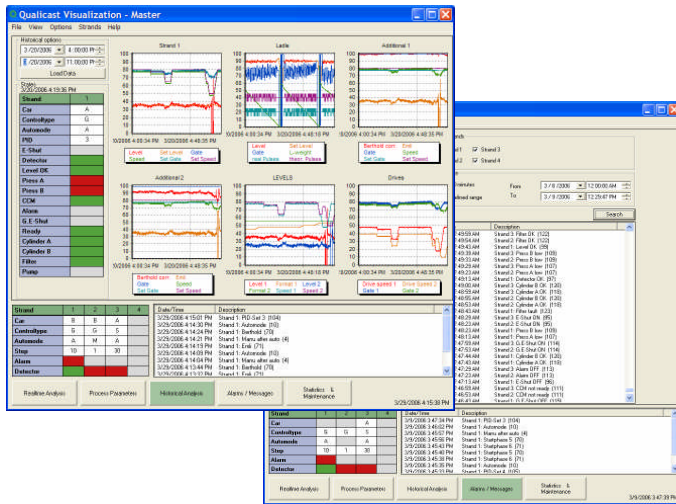
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STELA System Diagram:



Visualization Software Features:



Qualtec visualization software is a complete real-time analysis tool to monitor your **STELA** with the continuous casting process. This software allows you to monitor and access process parameters to fine tune your system. The package also stores historical data and trends so that previous casts can be viewed. This software can be installed and viewed remotely via a company intranet or even over the internet (TCP/IP Ethernet).



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