ACCUMETRIX

TEMPERATURE MEASUREMENT SYSTEM

- Improved metal quality
- Quality assurance
- Lower operation costs
- Lower energy consumption
- Robust design
ACCUMETRIX
Temperature measurement system

ACCUMETRIX is an industrial temperature measurement system. It continuously reads the bath temperature in real-time at a representative and fixed location inside the pouring vessel.

Able to withstand harsh environments over long periods, the system is composed of:

+ An inner long lasting type B thermocouple of patented design, providing high accuracy and enclosed in a molybdenum sheath.
+ An outer, disposable, refractory protector tube made of isostatically pressed graphitized alumina. This component has a high thermal conductivity combined with corrosion and erosion resistance to molten metals and slag.
+ A high temperature Pt/Rh type B cable.
+ Electronic equipment including a mV/mA signal converter and a temperature recorder.

Basic Installation Layout
1. Protector tube
2. Thermocouple
3. High temperature lead cable
4. Junction box
5. Cu/Cu signal cable 2x1.52 shielded
6. Temperature indicator / signal transformer
7. Process control computer
8. Temperature display
9. Cover
10. Manipulator

The ACCUMETRIX system provides many operational benefits
+ A continuous, real-time temperature control measurement
+ Improved operational flexibility through the display of temperature trends
+ The elimination of manual temperature measurement providing improved operator safety
+ Lower overall operating costs from the prevention of temperature-related breakouts and early warning of freeze-off

For most ferrous foundry installations, simple mounting brackets keep the system in position. The probe and protector tube can be changed easily.