TEMPERATURE MEASUREMENTS IN MOLTEN METALS

Portable indicator SIDERPORT-II

The new portable temperature indicator SIDERPORT-II, controlled by a CPU, is specially designed for the control at the floor of molten metal baths in small and medium-size furnaces, ladles or ingot moulds, without the need of wire connections (several furnaces with one instrument).

The full circuitry is mounted into a shock-proof light metal housing.

Also including rechargeable batteries, and USB connection (optional).

SIDERPORT-II can be provided with a lance having length from 600 mm to 1500 mm and calibration as per user’s request (S, R, B, K available). Just below the display, 3 coloured LED bulbs (green, yellow, red) show temperature measurement sequence state, helping the operator during dipping.

Thermocouples and spare parts from our production are an ideal complement for this instrument.
Technical Characteristics:

- **Range:**
  - 500°C ± 1800°C
  - type S (Pt-10%Rh / Pt)
  - type R (Pt-13%Rh / Pt)
  - type B (Pt-6%Rh / Pt-30%Rh)
  - type K (Ni-Cr / Ni-Al)

- **Display:**
  - 4 digits, red LED, 14 mm high

- **Resolution:**
  - 1°C

- **Accuracy:**
  - ±1°C

- **Calibration:**
  - ITS-90 or IPTS-68 (on request)

- **Measurement sequence:**
  - indicated by 3 colored LED (G, Y, R)

- **Battery status:**
  - low battery indication on display (rechargeable batteries)

- **Connectivity:**
  - USB port connection and dedicated SW SIDERPORT MANAGER