



INSTAMETER[®]

Rapid Calibrating Device



- ◆ **Portable**
- ◆ **Self Powered**
- ◆ **Auto Compensated**
- ◆ **High Intrinsic Accuracy**
- ◆ **Bat-Low Indications**

INSTAMETER Rapid Calibrating Device

Instameter is a portable handy instrument designed and manufactured by Fykays combining several long sought after features that Instrument Engineers and technicians desire to have in a rapid checking and calibrating device for use on the shop-floor.

Continuity Tester and Calibrator in One :

Instameter is designed and built to serve a dual purpose; that of a continuity tester and a calibrator. On plugging the Instameter, with the selector in the 'OFF' position, the entire circuit continuity is indicated. Once this has been established the selector is positioned at T1, T2, T3, or T4. The corresponding calibrated millivolts are fed into the instrument, whereupon the corrective calibration can be carried out. The most versatile feature of this unit is that the signal is injected through the compensating cables, connectors etc. Thus, there is full compensation for all possible errors arising due to the cables etc., themselves. Instruments, thus calibrated with the help of Instameter, reproduce the thermocouple signal with 100% exactitude.

Auto Battery level indication :

Instameter is provided with a battery check switch and a LED. They enable the user to quickly check the battery level. Special circuitry automatically indicates when the battery level falls below the minimum allowable value.

High portability :

The Instameter is extremely light and easy to carry. It weighs only a little over half a kilogram.

High precision :

Careful selection of low drift, high accuracy components, superior design and stringent inspection method together make the Instameter a

highly accurate, fully solid state IC technology based precision instrument.

Self Powered :

Instameter is self-contained and is powered by a commonly available 9V battery thereby obviating the limitations of external power supply.

Simple to Operate :

- Just PLUG the unit in the lance or Carbo receptacle. Instantly the entire circuit is checked for continuity.
- Successively select the potential switches to instantaneously inject the correct Millivolt in to the measuring instrument in use. (Indicator or Recorder).
- ADJUST the calibration of the instrument.
- Design precludes time consuming procedures of conventional calibrators and totally does away with messy lead wires etc.

Instameter is available in different versions to suit specific needs :

Variety

- for Carbon Equivalent Meters
- for Immersion Pyrometry systems
- for Oxygen in steel system

Type

- 'CC' or 'CS'
'T-10', 'T-13', 'T-18'
'O'

Instameter is provided with built-in automatic cold junction compensation for effective ambient correction over a range of 0°C to + 50°C; with accuracy better than $\pm 0.1^\circ\text{C}/1^\circ\text{C}$. Calibrations available : IPTS 68, DIN, NBS, BS, AFNOR etc.

Custom Built :

Instameter is built-to-order to meet special customer requirements. The units are pre-calibrated and factory sealed to ensure precise values.

FYKAYS' PRODUCTS :

THERMOTIP ● MINTIP ● ANSPLATIP ● FOND TIP ● DIGITAL PYROMETERS ● CARBOTIP FOR STEELS AND IRONS ● THERMOXYTIP ● OXY-COMP D ● OXY COMP G ● OXYCOMP AUTOMATIC O₂ ANALYSER IN STEELS ● IN-SITU OXY PROBES FOR COMBUSTION CONTROL AND HEAT TREATMENT FURNACES REGULATION ● OXYMONITORS FOR COMBUSTION & ATMOSPHERE CONTROL ● METALLIPOPS: SAMPLERS FOR METAL BATH, STREAMS, INGOTS, 2-IN-1, 3-IN-1, ETC ● VARIOUS TYPES OF THERMOCOUPLES ● VARIOUS TYPES OF PANEL INSTRUMENTS ● TEMPERATURE CONTROLLERS AND INDICATORS ● MICOUPLE AND MICAB ● DIGITAL INSTANT CALIBRATOR ● AND MANY MORE



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