

## Metran-514-MMP Digital Precision Multichannel Thermometer



- **Temperature Ranges:**
  - RTD -199 to 1099°C;
  - TC -250 to 1820°C
- **Absolute Accuracy:**
  - RTD  $\pm 0.015^{\circ}\text{C}$ ;
  - TC  $\pm 0.2^{\circ}\text{C}$
- **Measurement ranges of electrical signals:**
  - Voltage 0 to 1.1 V;
  - Resistance 0 to 2000 Ohm;
  - Current 0 to 25 mA
- **Accuracy:**
  - Voltage up to  $\pm 0.005\%$  rdg;
  - Resistance up to  $\pm 0.0025\%$  rdg;
  - Current up to  $\pm 0.01\%$  rdg
- **AC Power Supply**  
(220 $\pm$ 30) V, Frequency (50 $\pm$ 1) Hz
- **Release: III quarter of 2006.**

Metran-514-MMP Digital Precision Multichannel Thermometer is designed to verify both temperature sensors with wiring direct (TC - Thermocouple, RTD - Resistance Temperature Detector) and temperature transmitters with unified analog outputs of 0-5 mA and 4-20 mA.

Metran-514-MMP may be used to certify temperature fields of thermostats, manufacturing equipment: drying oven, heat chambers, and furnaces.

#### Digital Thermometer Advantages:

- Up to 8 independent measurement channels;
- High accuracy;
- Capability to enter specific calibration characteristics of reference temperature sensors;
- Verification (with reference temperature sensors) for RTD of Access Class A, TC of Access Class 1, temperature transmitters with analog output signals;
- RS232 Interface + utility software providing automated verification and report.