



Microprocessor Thermometer/logger TKP 202m

Description:

Microprocessor pocket thermometer TKP-202m is a hand meter designed to precisely measure and record the temperature of constant bodies, liquids and gases. Its easy routine maintenance, small size and battery supply provides an excellent comfort of recording and wide application in scientific research, ceramic industry, driers, textile, plastics and gum industry.

Microprocessor thermometer TKP-202m collaborates with Pt-100 probes. Application of internal microprocessor ensures a minimal measuring error and a large alphanumeric easy-to-read LCD display enables saving a battery. Unique advantage of a thermometer is a possibility of preprogrammed matching temperature characteristic of a probe applied by User.

Also using a 4 line probe cable allows to apply probes with a long wire (up to several meters). Thermometer allows a read-out of actual temperature and also a minimal and maximal temperature, which were in measuring area between switching on and off the thermometer. It is also possible to program it by RS-232 socket from a computer, so it can record into its internal memory results of measurement temperature in User marked time. After recording results of measurement gathered in internal memory might be transferred into a computer's hard disk.

Technical data

Temperature probe.....	Platinum Pt-100 RTD
Way of connecting probe to thermometer.....	4 wire line
Resolution of actual temperature.....	0.01 C
Resolution of min/max temperature.....	0.01 C
Accuracy of temperature measure.....	0.05% of measuring range -50 C to +150 C 0.1% of measuring range +150 C to +200 C
Temperature read-out.....	Alphanumeric LED display
Communication with a computer.....	RS-232 socket (up to 3 m)
Internal memory (version FI).....	Up to 50000 readings