KRAKÓW
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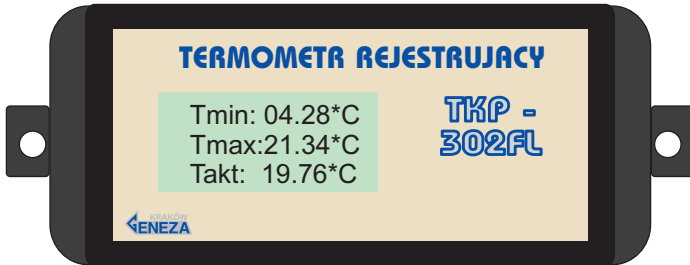☎ 0048601/51 11 98   ☎ 004812/647 61 74 Fax:004812/647 61 7406

Microprocessor Based Thermometer/Datalogger
Model TKP-302 FI

Description

Geneza Ltd. TKP-302FL thermometer/loggers are perfect for **temperature monitoring during carriage of food products. The c**ap mount units in rugged plastic housing, store data and download to your PC , because the feature RS-232 output. The TKP-302FL logger is also equiped with internal nonvolatile memory enabling recording up to 50 000 records at intervals ranging from 1 minute to 99 hours. Results recorded in internal memory might be transferred into computer directly connected to the TKP-302FL`s RS-232 output. This sophisticated thermometer

Covers temperature range from **-50°C to +200°C** and achieve accuracies of ± 0,1% of reading.
Nonvolatile memory stores setup conditions (RS-232, log interval, probe calibration). The meter also includes a real time clock which shows time, day, month and year.
Higher accuracies, grater than the typical electronic **HACCP** thermometers are achieved through a unique linearising technique. Application of the internal microprocessor ensure a minimal measuring error and a large alphanumeric easy-to-read LCD display enable simply read-out of results. The meter accepts a 4 wire Pt-100 probe, which allows to apply probes with very long cable (up to 100 meters).
TKP-302FL features a quick disconect panel input for a probe. During the process of recording, the thermometer of the logger allows read-out with 0.01°C resolution of the current temperature and also minimal and maximal temperatures, which were in measuring area between switching on and off the meter.

Technical data.

Input: .... Platinum Pt-100 probe (4 wire)
Temperature range: .... -50°C to +200°C
Distance between a logger and the probe : .... Up to 100 meters
Resolution of the current temperature: .... 0,01°C
Resolution of the min/max temperature: .... 0,01°C
Accuracy of temperature measurement: .... 0,1% of the range
Temperature display: .... 4 x 16 alphanumeric LCD display
Probe calibration: .... Automatic matching at 0°C
Log interval: .... from 1 minutes to 99 hours (programable)
Data logging:
- storing in the internal memory and further transferable to the computer with the time and date as a chart of graphs
- output to the PC through RS - 232 serial interface for further analysis, storage and hard copy printouts
Digital outputs:... RS-232 serial inteface output
Internal memory: ....up to 50 000 records
Power: .... 12 Volts dc
Housing: ....black plastic housing adapted to be hang in the cap of the truck