



COMET SYSTEM, s.r.o.

Bezrucova 2901

756 61 Roznov pod Radhostem

CZECH REPUBLIC

Tel.: +420 571 653 990

E-mail: info@cometsystem.com

D0221 Dual channel thermometer Ni1000/Pt1000



code: D0221

Thermometer is designed for direct measurement and datalogging of temperature into the internal non-volatile memory.

Free PC program enables to transfer recorded data to the personal computer for consequent evaluation. LCD backlight.

Instrument is connected to the PC through included USB cable only for data transfer from the memory. During connection with the PC no measurement and record is enabled.

Included in delivery:

- Traceable calibration certificate
- 9V battery
- Instruction manual
- Plastic transport case
- Connector for external ac/dc adapter
- mini USB cable
- Self adhesive Dual Lock for easy installation
- Free basic Windows software is ready to download at folder Download

Technical Data

| Technical parameters | Value |
|---|---|
| Measured Value | Temperature |
| Construction Type | For External Temperature Probes |
| Temperature Measuring Range | -200 to 500 °C |
| Data Logging Function | Yes |
| Operating temperature range | -30 to +65°C |
| Temperature input | RTD Pt1000-3850ppm; -200 to +500°C RTD Ni1000/6180ppm; -50 to +250°C |
| Accuracy of Pt1000 input without external probe | ±0.3°C from -50 to +100°C ±0.3% from reading from +100 to 500°C ±0.6% from reading from -200 to -50°C |

| | |
|---|--|
| Accuracy of Ni1000 input without external probe | $\pm 0.2^{\circ}\text{C}$ from -50 to $+100^{\circ}\text{C}$ $\pm 0.2\%$ from reading from $+100$ to $+250^{\circ}\text{C}$ |
| Power | battery 9V |
| Battery life | 6 months typically |
| Real time clock | year, leap year, month, day, hour, minute, second |
| PC interface | USB |
| Sampling interval in data logging mode | 10s to 24hours (18 adjustable intervals) |
| Total memory capacity | up to 16000 recorded values |
| Data logging modes | noncyclic - data logging stops after filling the memory cyclic - after filling memory oldest data is overwritten by new |
| Dimensions | 141 x 71 x 27 mm |
| IP protection | IP20 |
| Weight including battery | approximately 150 g |
| Warranty | 3 years |