

COMMETER - THERMOMETERS

-200 TO +500 °C FOR RTD SENSORS

Pt1000 AND Ni1000 FOR MEASUREMENT AND RECORD



- dual line LCD display with special symbols
- adjustable dual level alarm with audio indication for each channel
- memory of minimum and maximum temperatures
- function Hold - manual storing of actual temperature for later displaying

AVAILABLE MODELS			
without record		with record	
CO111	single channel	DO211	single channel
CO121	dual channel	DO221	dual channel
CO141	four channel	DO241	four channel

TECHNICAL PARAMETERS - common:	
Operating temperature range:	-30 to +65 °C
Temperature probe connector:	Cinch
Power:	battery 9V
Battery life:	typically 6 months
Dimensions without probes:	141 x 71 x 27 mm

TECHNICAL PARAMETERS – temperature loggers DO211, DO221, DO241 –200 to +500 °C:	
Temperature inputs:	RTD Pt1000: -200 to +500 °C and Ni1000-6180ppm/°C: -50 to +250 °C
Accuracy of the Pt1000 input without 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 the Ni1000 input without probe:	±0.2 °C from -50 to +100 °C, ±0.2% from reading from +100 to +250 °C
Resolution:	0.1 °C from -99.9 to +500.0 °C, otherwise 1 °C
Logging modes:	<ol style="list-style-type: none"> manual logging - capacity of 1000 stored temperature sets automatic noncyclic logging (logging stops after filling the memory) - total capacity of 16000 values automatic cyclic logging (logging continues after filling the memory - oldest values are replaced by newest) - total capacity approximately 15200 values (14400 values for DO211)
Real time clock:	year, leap year, month, day, hour, minute, second
PC interface:	serial RS232
Logging interval:	18 adjustable values from 10 s to 24 hours

TECHNICAL PARAMETERS – thermometers without record CO111, CO121, CO141 –50 to +250 °C:	
Temperature input:	RTD Ni1000-6180ppm/°C: -50 to +250 °C, resolution 0.1 °C
Accuracy of the Ni1000 input without probe:	±0.2 °C from -50 to +100 °C, ±0.2% from reading from +100 to +250 °C
Temperature measurement accuracy: (including Ni1000 probes):	±0.4 °C from -50 to +100 °C, ±0.5% from reading from +100 to +250 °C

No temperature probes are included.

- Included accessories:** Traceable calibration certificate from the manufacturer with declared metrological traceability of etalons is based on requirements of EN ISO/IEC 17025 standard.
- In price of DO211, DO221, DO241 thermometers included are also plastic transport case, 9V battery, communication cable for PC.
- Free Windows program is ready to download at www.cometsystem.cz. Program enables to control all logger functions and viewing and printing of data in numerical and simple graphic formats. It is possible to export data to dbf or txt formats.
- In price of CO111, CO121, CO141 thermometers included are plastic case and 9V battery.

- Optional accessories:**
- **MP006** - RS232/USB converter for communication with the PC via USB port
- **SW100** - CD with free PC program
- **probes** for DO2x1 loggers with RTD sensor Pt1000/3850ppm with connector Cinch - probe marking followed by letter /C
- **A1515** - adapter 230V-50Hz/12Vdc, 9V battery should be replaced with NiMH accumulator 9V.
- **A3400** - NiMH accumulator 9V
- **SWR004** - Optional software for Windows - color printing, vertical and horizontal zooming of graphs and other functions
- **SWR007** - program package Database Logger Program for work with data from Comet loggers - see also page 23.

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