

# COMMETER - THERMOMETERS

## -200 TO +1700 °C FOR THERMOCOUPLES J, K, S FOR MEASUREMENT AND RECORD



- selection of thermocouple type from the keyboard
- 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
- automatic compensation of cold junction temperature

Cxxxx Dxxxx

### TECHNICAL PARAMATERS - common:

Operating temperature range:	-10 to +60 °C
Connector for probe connection:	subminiature connector for thermocouples
Accuracy without probes thermocouple K (NiCr-Ni):	+[0.4 °C + 0.1% from reading] from -200 to +1300 °C
Accuracy without probes thermocouple J (Fe-Co):	+[0.4 °C + 0.1% from reading] from -200 to +750 °C
Accuracy without probes thermocouple S (PtRh-Pt):	+[0.85 °C + 0.1% from reading] from -50 to +1700 °C
Resolution thermocouple J,K:	0.1 °C from -99.9 do +999.9 °C, otherwise 1 °C
Resolution thermocouple S:	0.4 °C from -50.0 do +999.9 °C, otherwise 1 °C
Power:	battery 9V, typical life 2 months
Dimensions without probes:	141 x 71 x 27mm

### TECHNICAL PARAMATERS - thermometers with record - models D0311, D0321 :

Modes of logging:	<ol style="list-style-type: none"> <li>1. manual logging - capacity of 1000 stored temperature sets</li> <li>2. automatic non-cyclic logging (logging stops after filling the memory) - total capacity of 16000 values</li> <li>3. automatic cyclic logging (logging continues after filling the memory - oldest values are replaced by newest) - total capacity approx. 15200 values (14400 values for D0111)</li> </ol>
Real time clock:	year, leap year, month, day, hour, minute, second
PC interface:	serial RS232
Logging interval:	18 adjustable values from 10s to 24hours
Model	Description
C0311	single channel thermometer, no PC interface
D0311	single channel thermometer and datalogger with RS232 serial output
C0321	dual channel thermometer, no PC interface
D0321	dual channel thermometer and datalogger with RS232 serial output

Thermometers are delivered without probes. To order K type probes, please see Optional accessories.

#### Included accessory:

- Traceable calibration certificate from the manufacturer, instruction manual. Calibration certificate with declared metrological traceability of etalons is based on requirements of EN ISO/IEC 17025 standard.
- All thermometers are also equipped with connector for external ac/dc adapter.
- Dataloggers D0311, D0321 come complete with a plastic transport case, 9V battery, communication cable for PC and self adhesive Dual Lock for easy mounting.
- Free Windows program is ready to download at [www.cometsystem.cz](http://www.cometsystem.cz)

#### Optional accessory:

- MP006 - RS232/USB converter for communication with the PC via USB port
- SW100 - CD with free PC program
- probes with the "K" thermocouple with subminiature connector are specified at the end of catalog
- 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 zoom of graphs and other functions - see also page 23