



INTELLIGENT TEMPERATURE PROBES AND TRANSDUCERS for Pt1000 with RS485 or RS232 serial output

Measured temperature from Pt1000/3850ppm sensor is converted to digital serial output with the RS485 or RS232 link parameters. Computerized design ensures maximum long term stability and fail indication. The transducer works with ModBus communication protocol or with Advantech ADAM compatible protocol. Other communication protocols available. Protocol is user selectable in special configuration mode by means of the PC. Serial link enables to read actual readings and modify transducer configuration. Instrument works always in slave mode, i.e. responds only to master device query. Transducers have the address space available from 0 to 255. The T0310 and T4311 RS232 transducers can be powered directly from the PC port or from external voltage source.

AVAILABLE MODELS OF TEMPERATURE PROBES:

- T0410** - air temperature probe with RS485 interface - **GALVANIC ISOLATED** from power circuitry
- T0310** - air temperature probe with RS232 interface - **GALVANIC CONNECTED** to power circuitry

TECHNICAL PARAMETERS	
Measuring and operating temperature range:	-30 to +70°C, with switched OFF LCD up to +80°C
Accuracy:	±0.4°C
Power:	9 to 30VDC, power consumption approximately 0.5W
Protection:	IP65
Communication protocol:	ModBus and Advantech ADAM compatible protocol
Communication speed:	110 to 115200 Bd
Mechanical dimensions:	88 x 151 x 37 mm



AVAILABLE MODELS OF Pt1000 TRANSDUCERS:

- T4411** - with RS485 interface - communication circuitry is **GALVANIC ISOLATED** from power circuitry
- T4311** - with RS232 interface - communication circuitry is **GALVANIC CONNECTED** to power circuitry

TECHNICAL PARAMETERS	
Temperature input:	for RTD sensors Pt1000-3850ppm/°C
Measuring range:	-200 to +600°C
Accuracy of the input without probes:	±0.2°C
Operating temperature range:	-30 to +70°C, with switched OFF LCD up to +80°C
Power:	9 to 30VDC, power consumption approximately 0.5W
Protection:	IP65
Communication protocol:	ModBus and Advantech ADAM compatible protocol
Communication speed:	110 to 115200 Bd
Mechanical dimensions:	88 x 93 x 37 mm



Included accessory:

Included is a **calibration certificate** from the manufacturer and instruction manual with the complete communication protocol description.
 Probe T0310 and transducer T4311 with the RS232 output have included 1.6 meter cable for communication with RS232 computer port.
 Free configuration program for transmitter adjustment is ready to download anytime from www.cometsystem.cz

Optional accessory:

- Temperature probes** with Pt1000/3850ppm sensor without connector - probe marking is followed by symbol /0
- A1510** - ac/dc adapter 230V-50Hz/12Vdc stabilized
- MD036** - self adhesive Dual Lock for easy installation
- SPO06** - tool for easy wire connection to terminals

Probe T0410 and transducers T4411 configured to ADAM protocol are directly compatible with sixteen channel Comet monitoring system MS2+, MS3+, MS4+.