T4311 Temperature transmitter with RS232 interface

code: T4311
Temperature transmitter for Pt1000/3850ppm sensor is built in a durable watertight case. Degrees Celsius and Fahrenheit are user selectable. Large dual line LCD is an advantage. Display is possible to switch off.

Included in delivery:
• T4311 sensor
• Traceable calibration certificate
• Quick start manual
• Technical support at discussion forum

Features

Temperature transmitter contains a microprocessor based control circuitry in a durable plastic case with connection terminals. Display is possible to switch off. Computerized design ensures long term stability and fail indication.

APPLICATIONS - measuring and control of temperature at:

• building HVAC management
• building HVAC automation
• warehouses
• glasshouses
• manufacturers
• museums, archives, galleries
• air-conditioned rooms
• weather stations

Measured temperature values are converted to RS232 serial output.
Serial output RS232 - transmitter works with ModBus RTU communication protocol or with Advantech ADAM compatible protocol. Protocol is user selectable in special configuration mode by means of the PC. Serial link enables to read actual readings and modify transmitter configuration. Instrument works always in slave mode, i.e. responds only to master device query. Transmitters have the address space available from 1 to 255. Communication speed is 110 to 115200Bd.

SOFTWARE:

- **Comet Database**
Complex solution for data acquisition and analysing. Easy to use and high flexible database software for Comet Transmitters and Regulators.

- **Sensor RS485/232 utility**
allows communication of sensors with RS485/RS232 output and sending data to **Comet Database**.

- **T-Sensor software**
Free configuration utility for Comet Transmitters and Regulators.

- **SensorReader software**
Basic data acquisition utility for Comet Transmitters and Regulators. Software is free for download.

- **3rd party software**
ControlWeb, TIRS.NET, LabVIEW etc. Support for this software is provided by the 3rd party companies.

Technical Data

Technical parameters	Value
Output	RS232
Measured Value	Temperature
Construction Type	For External Temperature Probe Pt1000
Design	Industrial
Temperature Measuring Range	-200 to 600 °C
Relay Output	No
Two-State Input	No
Lcd Display	Yes
PoE	No
Accuracy of temperature output	±0.2°C (without temperature probe)
Available temperature units	degrees Celsius, Fahrenheit
Temperature operating range	-30 to +80°C
Temperature operating range of LCD display	readable to operating temperature +70°C, it is recommended to switch OFF the LCD over +70°C
Communication protocol	ModBus RTU and Advantech ADAM compatible protocol
Communication speed	110 to 115200 Bd
IP protection	IP65
Power	9-30Vdc, current consumption approximately 6mA
Dimensions	88.5 x 94 x 39.5 mm (W x H x D)
Weight	approximately 215g
Warranty	3 years