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# T0318 Interior temperature transmitter with RS232 output

code: T0318
Ambient temperature transmitter. Indoor use.

For exacting interiors in building energy management and HVAC systems. Are designed for easy installation on ordinary KU68 wiring boxes for household switches and sockets.
**Included in delivery:**
• T0318 sensor
• Traceable calibration certificate
• Quick start manual
• Technical support at discussion forum

## Features

## APPLICATIONS - measuring and control of air temperature at:

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

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 | Interior |
| Design | Interior |
| Temperature Measuring Range | -10 to 50 °C |
| Relay Output | No |
| Two-State Input | No |
| Lcd Display | Yes |
| PoE | No |
| Accuracy of temperature output | ±0.5°C |
| Available temperature units | degrees Celsius, Fahrenheit |
| Temperature operating range | -10 to +50°C |
| Communication protocol | ModBus RTU and Advantech ADAM compatible protocol |
| Communication speed | 110 to 115200 Bd |
| IP protection | IP20 |
| Power | 9-30Vdc, current consumption approximately 6mA |
| Dimensions | 88 x 106 x 33 mm (W x H x D) |
| Material of the case | ABS |
| Color | white |
| Weight | approximately 150g |
| Warranty | 3 years |