



## Precision Temperature Probes PT100 Serial

Temperature probes PT100 are used for air temperature, surface ground temperature and soil temperature measurements. This family of probes use high quality platinum sensing element in combination with low noise high precision and stable electronics.

Microprocessor solution brings two output options - RS485 and SDI-12. RS485 version offer text (polled or report mode) or ModBus communication with user defined serial port parameters. User can setup measuring and reporting interval in the range of 1s up to 1 hour.

The whole body is encapsulated with IP68 protection.

Probe is assembled with standard M12 connector for fast and easy replacement in the field.

## Technical Specifications

Measurement range	-40...+60°C
Accuracy over full range	+/- 0.2°C (1/5 version) +/- 0.05°C (1/10 version)
Noise (resolution)	+/- 0.001°C
Output options:	RS485 SDI-12
Communication speed	300...115200bps
Measuring interval	1s ... 3600s
Report interval	1s ... 3600s
Operating temperature	-40...+60°C
Power supply	4...24Vdc
Power consumption	0.5mA typ., 5mA max.
Dimensions	15/21mm x 183mm
Connector	M12 male, 5 pin

## Features

- high accuracy
- low noise (high resolution)
- long term stability
- output options: RS485 and SDI-12
- low power consumption
- compact construction
- standard M12 connector connection