

Pt100 Transmitter

The **PT-1** temperature transmitter is designed for industrial applications offering high-quality signal preprocessing for process automation systems. It has a voltage output, a serial port, a PID temperature controller, an isolated solid-state relay, an excellent long-term stability and accuracy. Yet it is of low-cost.

PRODUCT HIGHLIGHTS

- ▶ wide temperature range -100C to 500C or more
- ▶ true four-wire measurement with cable and capacitance compensation, allows for a long cable to sensor
- ▶ Platinum sensor's curve is linearized for best accuracy
- ▶ serial port RS232 for data transmission and configuration
- ▶ a PID temperature controller with an isolated SSR output and settable coefficients
- ▶ voltage signal 0...5V temperature range scalable, resolution 12 bits
- ▶ control and data transmission are started with simple commands and can be kept running continuously
- ▶ very stable, no recalibration is required
- ▶ sensor is measured with a 16 bit ADC for high resolution and accuracy
- ▶ low power excitation to avoid self-heating
- ▶ for long-term maintenance-free use
- ▶ nonvolatile memory for keeping settings
- ▶ small power consumption (20mA at 24V), battery operation is reasonable
- ▶ DIN rail mountable with a quick lock, size 22x75x100 mm, 2.5 mm² screw terminals, grey polycarbonate, flammability rating UL94V-1/2
- ▶ optionally use a standard NTC 100kOhm@25C with a limited range 0..+50C
- ▶ data packets as ASCII marked parcels
- ▶ the serial port RS232 can be configured as RS485
- ▶ the no-cost **Atlink** and **AtlinkMini** programs are easy-to use terminal software for module setup and data logging. They are also capable of hidden background data transfer. All software are now Windows Vista compatible. General ANSI hyperterminal programs can be used as well.
- ▶ the price is very competitive and an attractive quantity discount begins at 5 pieces



Part #700530, order code PT-1

2010-08

VISILAB
SIGNAL TECHNOLOGIES

CAPOKITO™ and **FrontColour™** are registered trademarks and **IRMA-7™** and **Visilab™** are trademarks of Visilab. All rights reserved. Copyright © by Visilab.

Visilab Signal Technologies Oy
FI-07560, Pukkila, FINLAND
Tel. +358-45-6354885
www.visilab.fi
e-mail: sales@visilab.fi