

T-TEC Process Data Logger for 4/20 mA signals

Prod.Log01

T-TEC Data loggers are battery powered instruments with memory for collection of data. T-TEC 7-A has display for indication of input values, T-TEC 6-A does not have a display. The data logger must be connected to a PC to start the logging and to download collected data. It can work unattended during the measurement phase. Graphic software provides options for initial settings and for extracting of information. The T-TEC software can then show the data in form of a graph or in table form for documentation. Files from up to 8 different locations may be called up simultaneously.

The T-TEC Process Data Logger accepts analog input in mA. It may be scaled and calibrated by the user to indicate (T-TEC 7-A) and measure engineering units. For example: If a transmitter produces 4 to 20 mA equal to 2 to 12 pH, the logger can be scaled to show 2 to 12 on the display and also on the graph when downloaded. The data from the logger can be exported to a spread sheet program.

The calibration/ scaling is done through the software program. It is possible to set the scale from preset values or to calibrate directly from measurements, if two points are known. Scaling/ calibration is linear.

The logger has two visual (T-TEC 7) or audible (T-TEC 6) alarms which may be set as either maximum and/or minimum alarms when the logger is started. A grace period may also be set.

The instrument is very sturdy and watertight.

External connections are through cables with connectors for the logger: An interface cable for connection to a computer and a cable for signal input.

Specifications for T-TEC Process Data Logger:

Casing: Polycarbonate, watertight to IP68
Size: 65x31x106mm
Weight: 115 g
Ambient: -40+60 deg.C for instrument
Battery: 1/2AA 3.6V. Expected life: 1 to 2 years.

Measurements: Intervals between measurements may be set from 1 sec to 6 hours.

Memory: 20,000 plus measurements.
E.g., 7 days @ 30 second or
28 days @ 2 minute intervals.

Input: 4/20mA into 100 Ohm resistor.

Accuracy: Time +- 1 min per month
Measurement: +-0.25% fs.

Resolution: Depend on scaling, 3½ digits on display.

