

Configurations & Measurements

Type C

Combined temperature and humidity.
3100 sets of measurements.

6-1C Internal sensors

6-2C Fixed external sensor for temp.,
Internal sensor for humidity

Type E

One temperature.
12.000 to 25.000 measurements

6-1E Internal sensor, white casing, special
outdoor model.

6-2E Fixed external sensor

6-3E For remote sensor

Type F

Two channels for temperature
Total 20.000+ measurements

6-1F Internal + remote sensor

6-2F Fixed external + remote sensor.

6-3F For two remote sensors

Optional

Alarm output from relay, max 1A/30V
DC, 0.5A/125V AC.

Different relay functions are possible.

Special Alarm Functions

Two audible alarms may be set individually at start of logger as none, minimum or maximum. A period of grace may be set in minutes. Alarms can be programmed to reset themselves once a day at a chosen time. No alarms available on C loggers.

Technical Specifications

Casing: Polycarbonate, watertight to Ip68.
(Humidity logger splashproof from top)

Size: 65x31x106mm,
weight 115 g

Ambient: -40+80°C

Battery:

Type C: 2xCr2450

Type E & F: 1/2AA 3.6V

Expected battery life 3-4 years

Interface: Special cable to Rs232 Serial Port or
USB interface cable

Security ID: Permanent serial number

Warranty: 2 years, sensors excl.

Temperature Technology

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T-TEC 6 Data Loggers

T-TEC 6 are battery powered measurement instruments with memory for unattended monitoring of temperature.

To start the logging and to download the result, the dataloggers are connected to a PC via an interface cable. Graphic software provides options for initial setting and for extracting information.

Accuracy

Time: Synchronisation up to ± 5 seconds.

Temperature, Precision Thermistor:

With **standard sensor**, -40+85°C:

$\pm 0.2^\circ\text{C}$ for 0+70°C

$\pm 0.3^\circ\text{C}$ outside.

With **sensor type 2**, -100+20°C:

$\pm 0.7^\circ\text{C}$ +20-85°C

$\pm 1.0^\circ\text{C}$ outside.

Other Thermistor sensors may be used

- equations can be created in software.

Logger for temperature-humidity,

humidity $\pm 3\%$ RH 0-100%

Compensated -5+60°C

Resolution:

Temperature better than 0.1°C for most of range.

Humidity 0.1% RH

