T-3T Temperature logger

The autarky working temperature-data logger T-3Tplus makes it possible to monitor the temperature-time processes. Especially the compact, robust and totally waterproof housing opens the system for many different applications.



Some features:

- easy handling
- internal energy source
- no contact, inductive data transfer

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• The measured values are stored inside of an EPROM and are secured against any manipulation.

Applications:

Transport	Storage
• Food	• Food
Fruit, vegetables & animalsSensitive technical goods	Air conditioningCooling

Sleep Mode

Data logger is not used: low energy consumption, high lifetime of battery/logger, no temperature measuring

Active Mode

Temperature measuring and storing: programmable start-time, programmable measuring-interval

Stop Full : Saving of all measured values (up to the full memory)

Roll Over : The first saved values will be overwritten when the memory is full (first in first out).

The calibration values are saved in one protected area of memory. Standard adjustment functions (via evaluation-software) with 1-point or linear 2-points calibration can be used for easy adjustment of every logger after delivery to the customer.

The T-3Tplus has also an additional user-memory space for customer relevant information / remarks.

Technical data :

Basics: Geometry: cylindrical, diameter: 30mm, height: 12mm Weight : 24g House-material: stainless-steel / epoxy Memory size: ca.1800 measuring values User-Memory: minimum 64 characters Lifetime: typical 3 years (depends on used function mode, interval und temperature range.) Temperature: Temperature range (work): -30...+85°C Temperature range (no work): -35...+90°C, best by-25...+25°C (optimal for battery long-life) Temperature resolution: ±0,5K Temperature accuracy: (without add. calibration) ±1K (0...+70°C) ±2K (-10...+85°C) ±4K (-30...+85°C) T90: ca.9min in air, ca.2min in liquid

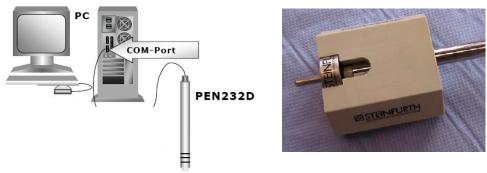


Measuring-start: Start date and Start time are programmable Measuring interval: 1...255min, programmable Time base: counter with frequency tolerance ±50ppm (25°C) and temperature coefficient –0,04ppm/c² (max.)

A USB-pen in connection with a PC or handheld-PC or is used for the programming and evaluation of the T-3T. The pen can be used for programming and read out of the T-3T.

This robust and compact unit can be used in every typical industrial area. A specific power management makes it possible to use the pen also on handheld-PC (for example PSION).

Connection to the PC:



For the programming and read out procedure the pen should be hold near to the center of the T-3T. A special holder making the positioning easier can be optional ordered.

Technical data :

- Geometry: pen with cable and connector metal housing, length ca. 170mm, diameter ca.12mm
- Interface: USB-connector

Electrical power source: via USB-interface of the used PC

Interface: Transfer frequency: 13,56MHz Programming time: ca.4sec Read out time typ. 3sec (depends on memory size and PC generation)

Programming-/read out-distance: 0...3mm (centric)

Windows-based software for evaluation and programming is included. Through this software the T-3T can be programmed (interval, customer info, ...)

