

TELID T3 TEMPERATURE LOGGER



Active mode

- Temperature measuring and storing: programmable starttime, 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 evaluationsoftware) 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.

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

Features

- Easy handling
- Internal energy source
- No contact, inductive data transfer
- The measured values are stored inside of an EPROM and are secured against any manipulation

Applications

- Transport
 - » Food
 - » Fruit, vegetables and animals
 - » Sensitive technical goods
- Storage
 - » Food
 - » Air conditioning
 - » Cooling

Sleep mode

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

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 and 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: $\pm 0,5K$
- Temperature accuracy: (without add. calibration)
 - » $\pm 1K$ (0...+70°C)
 - » $\pm 2K$ (-10...+85°C)
 - » $\pm 4K$ (-30...+85°C)
- T90: ca.9min in air, ca.2min in liquid

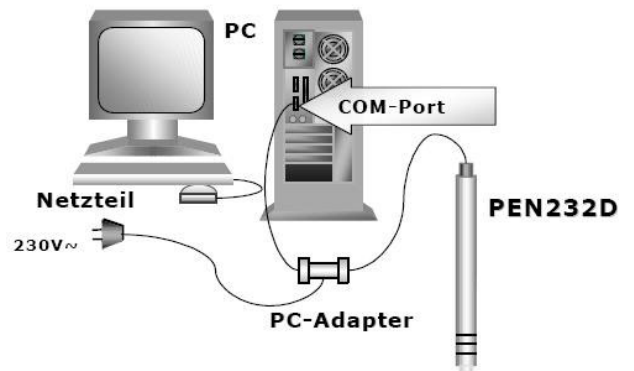
Measuring-start: Start date and Start time are programmable

Measuring interval: 1...255min, programmable

Time base: counter with frequency tolerance $\pm 50ppm$ (25°C) and temperature coefficient $-0,04ppm/c^2$ (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:



Technical data

- Geometry :
 - » Pen with cable and connector
 - » Metal housing, length ca. 170mm, diameter ca. 12.
- Interface: USB-connector
- Electrical power source: Via USB-interface of the used PC Interface:
 - » Transfer frequency: 13.56MHz
 - » Programming time: ca.4 sec.
 - » Read out time: 3 sec (depends on memory size and pc generation)
- Programming-/read-out-distance: 0...3mm (centric)