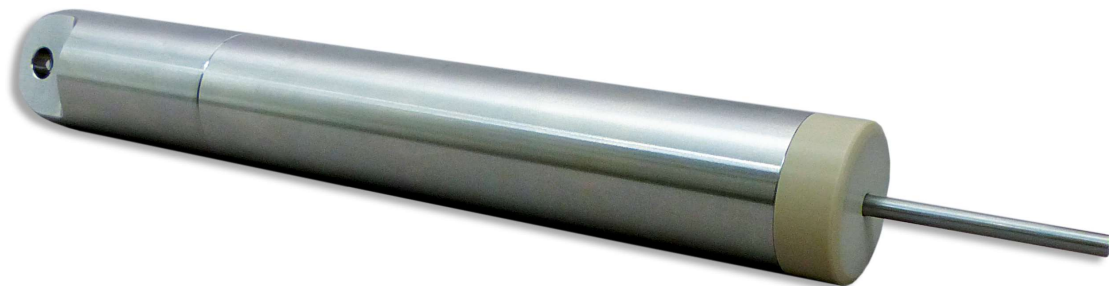# T-Log3001

High-Precision Data Logger for Temperature

Precise Recording of Water Temperature
The miniaturised data logger T-Log3001 was specifically designed to measure temperature in waters.

In addition to its pressure resistance up to 100 metres water column it offers high accuracy and resolution as well as a large memory.

The logger housing is made of V4A stainless steel. Should you need to take measurements in aggressive fluids the T-Log3001 can also be delivered with a POM housing (for depths of up to 30 m).

Measuring in waters often requires the detection of even the very smallest of changes in temperature. That's why the T-Log3001 comes with a resolution of 0.01°C which can be enhanced to 0.003°C upon request.

Comprehensive Measurement Profiles
Memory capacity is at 4 million readings, while the logger's power demand is low enough to allow for a battery powered operation of up to 4 years (interval > 60 seconds). The saved readings will not be lost even if the battery fails during operation.

The inerval in which the readings are taken can be user selected between 2, 4, 8, 16, 32, 64 Hz and seconds / minutes / hours.

Easily transfer measurement data from the logger onto your PC/notebook via USB.

Features

Features
High resolution and accuracy
Event-driven data logging mode
4 million readings at 16 bit resolution
Dimensions: d= 25 mm, l= 220 mm
Energy-saving technology for long-term operations
Fast transfer rates via USB interface

Software InfraLog for Windows V5

The software InfraLog provides EASY, SECURE & CONVENIENT control for all Driesen + Kern products. After establishing a connection between your logger and PC, InfraLog automatically detects the device.

InfraLog V5 offers a multitude of features for data loggers by Driesen + Kern.
InfraLog is available in three versions:

- **InfraLog Basic (included in delivery)**
- **InfraLog Light (optional upgrade)**
- **InfraLog Enhanced (optional upgrade)**

InfraLog Basic already offers fundamental features for setting up your logger as well as downloading, saving and converting data.

InfraLog Light comes with additional tools for graphic representation of your readings.

By far the most features are included in **InfraLog Enhanced** which also lets you create daily, weekly, monthly or annual reports.

Factory Calibration Ensures Reliable Readings

We calibrate every sensor in our in-house calibration laboratory before shipping it. The corresponding certificate of calibration is included in delivery.

Certificate of Clibration

T-Log3001 Specifications

Temperature

Measuring range:	-20...+60°C (standard range)
Accuracy:	±0.2°C (±0.1°C upon request)
Resolution:	0.01°C (0.003°C upon request)

General

Dimensions:	d= 25 mm l= 220 mm
Weight:	480 g with batteries
Housing material:	V4A stainless steel (POM optionally available)
Battery:	LiTh-12 (user-replaceable)
Memory capacity:	4 million readings
Interval:	1 s...24 hrs selectable
Fast mode:	2, 4, 8, 16, 32, 64 Hz. Resolution in fast mode is approx. 0.1...0.2% of FS
Battery life: (at given intervals)	4 years @ 1 minute 2 years @ 10 seconds 70 days @ 1 second

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