

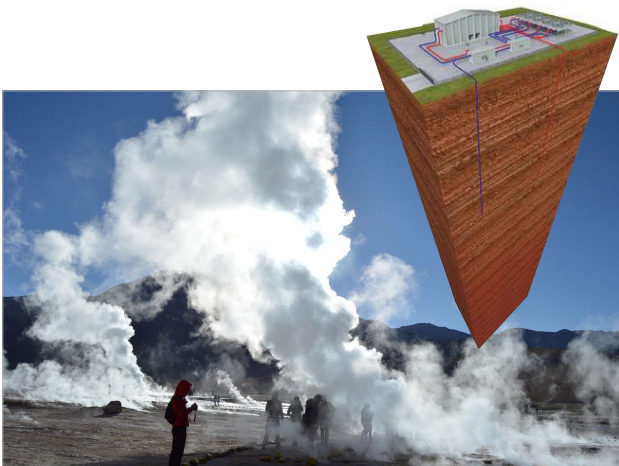


MikroLog2

Miniaturized Data Logger for Water Level and Temperature



„Powerful miniature probe for professional water level measurements“



Potential application: Geothermics

Miniaturized Design

The MikroLog2 is a miniaturized data logger for water level and temperature.

There are two models available: one combines water level and temperature measurements and the other measures temperature only.

Suitable fields of application are wells, one inch pipes, drill holes (e. g. geothermal drilling) as well as open waters.

Among the outstanding benefits of the MikroLog2 are its small diameter of only 16 mm and length of 110 mm, its long battery life, the large memory capacity and its excellent accuracy.

High-Precision and Exceptionally Fast

The MikroLog2 is available with various measurement ranges between 1 and 50 bar which ensures the appropriate range, including the ideal resolution and accuracy, for every measurement.

It is also designed for continuous and close monitoring as the sampling rate can be set between 1 second and 24 hours. In addition, there is a fast mode for intervals of 2...32 Hz.

Features

Miniaturised data logger with a diameter of only 16 mm!
Safe data retrieval without opening the logger
Fast transfer rates via USB interface
Convenient software for Windows
Resolution of 0.1 mbar and 1 mK
Memory capacity for up to 4 million readings
Robust stainless steel housing

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 water line 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 Calibration

MikroLog2 Specifications

Pressure

Measuring range: 10 m, 50 m, 100 m, 200 m, 350 m, 500 m
Resolution: < 1 mm (range < 50 m)
< 10 mm (range > 50 m)

Accuracy

Range > 50 m: ±0.1% FS
Range < 50 m: ±0.3% FS

Temperature

Measuring range: -20...+70°C (avoid frost)
Resolution: up to 0.001°C
Accuracy: ±0.2 °C

(±0.1°C optional)
Interval: 1 s...24 hours selectable
Fast Mode: 2, 4, 8, 16, 32 Hz

General

Housing: V4A stainless steel, waterproof up to 50 bar
Battery: Lithium battery (user-replaceable)
Included in delivery: Data logger, 1 battery, certificate of calibration, user manual
Optional: USB interface (for configuration and data download)
InfraLog for Windows software

Models:

MikroLog2 is available as one of two models. Versions **-S** and **-XS** differ in length, memory capacity, battery type (XS = LITH34, S=LITH32) and battery life.

MikroLog2 - Water Level & Temperature

Model	Memory Capacity ¹	Dimensions	Battery Life	Temperature Range
XS	100 000 readings	d= 16 mm l= 140 mm	1 year	-20...+70°C
S	4 million readings	d= 16 mm l= 186 mm	4 years	-40...+80°C

¹= at a sampling rate of 10 minutes

Bestellbezeichnung

MikroLog2 -G -BF -MBP

-G = Measurand

T = Temperature only
PT = Temperature and pressure/water level

-BF = Model

S = Small
XS = Extra Small

-MBP= Water Level Range

0 = w/o measurement
10 = 10 m
50 = 50 m
100 = 100 m
200 = 200 m
350 = 350 m
500 = 500 m