Driesen + Kern GmbH

Small datalogger for
cleaning and desinfection
MikroLogRDG

Various applications

MikroLog-RDG datalogger are compact instruments for logging time stamped pressure and temperature readings.
The readings are collected in in a user-selectable intervals. Typical applications include cleaning, desinfection or transportation of bottles, kegs and other packing within industries such as pharma, food, brewery and the chemical industry.

Driesen+Kern GmbH can offer various models with different ranges and features.

Miniaturised design

Driesen+Kern´s MikroLogRDG has a robust stainless steel hounsing and is waterproof even under high pressure. The logger is powered by a lithium battery which can be exchanged by the user if required.
The data is stored in a non-volatile memory, so even if the battery is empty the data remains safe!

Accurate and fast!

Due to a high resolution of 1/1000K an accuracy of +/-0,1K and an interval between 32 Hz and 24 hours the MicroLog allows for sophisticated analysis of manufacturing or transportation procedures.

Highlights

- Miniature datalogger (d=16mm)

- Robust design - logger can be downloaded without opening it!

- Interchangeable long life battery

- USB-interface for fast download

- InfraLog V5 - easy to use software

- Resolution 0,1 mbar and 1 mK

- Memory for up to 4 million readings

- Robust stainless steel housing, IP68 rated

Reliable data

All dataloggers are shipped with an ISO calibration certificate. On request, we can also supply a DAkkS/DKD certificate.
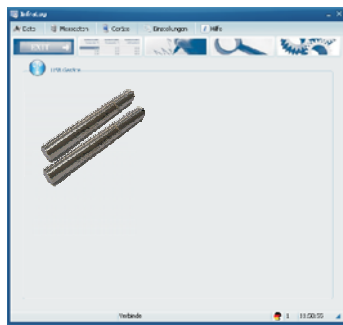

Validation of a cleaning process
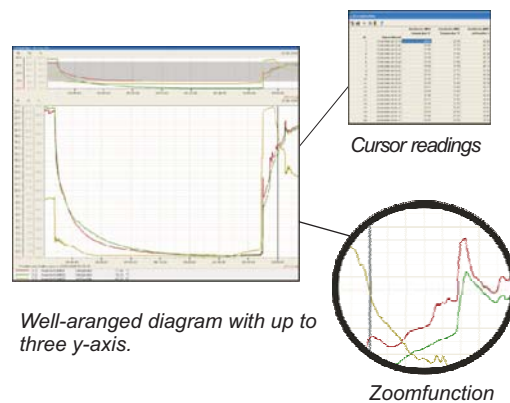
InfraLog for Windows

All datalogger from Driesen+Kern GmbH are supplied with our InfraLog for Windows software. The software supports setup and download of the loggers on windows systems (XP, Windows7/8 & 10).

You may select the interval as well as a start time/date. A loggername can be entered as well as a descriptive text to identify the readings at a later date. After downloading the data you can easily export them to an excel compatible dataformat.

Graphing and more

Optionally, the software can be ordered with graphing functionality. InfraLog "light" allows you to graph, zoom and export them as well as use the internal formula editor to calculate the data you need to derive.

Cursor readings

Well-aranged diagram with up to three y-axis.

Zoomfunction

Technical data MikroLogRDG

MikroLogRDG

model	memory-capacity	dimensions[mm] T [1]	P [2] and T	battery life @ 10Min[3]	temperature-range
XS	100.000 readings	D= 16 L= 140	D= 16 L= 130	1 year	-20..+70°C
S	4 Mio. readings	D= 16 L= 186	D= 16 L= 176	4 years	-40..+80°C
M	4 Mio. readings	D= 17 L= 152	D=17 L=142	4 years	-20..+140°C

1 T= temperature   2 P= pressure   3= at an interval of 10 minutes

Interface to connect logger with pc

Pressure
Range (abs)   10/ 20/ 35/ 50 bar
Resolution: 0,1 mbar
Accuracy: 0,2 % of range
(0,1% of range with offset calibration before campaign)

Temperature
Resolution: up to 0,001 °C
Accuracy: ± 0,2 °C (Option: ± 0,1°C)

Interval: 1 Sec....24 hours
2/4/8/16/32 Hz at Fast mode

Housing: Stainless steel, V4A waterproof up to 50bar
Battery: lithium battery

Delivery content: datalogger, 1 battery, calibration certificate, manual

Optional: Interface and Software *InfraLog f. Windows*

Order Code
MikroLogRDG -G -BF -MBP

-G = parameter	T = temperature only
	PT = temperature , pressure

-BF = housing type	XS = Extra small
	S = small
	M = medium

MBP= Range for absolute Pressure	00 = temperature, only
	05 = 0,5bar
	10 = 1 bar
	50 = 5 bar
	100 = 10 bar
	200 = 20 bar
	350 = 35 bar
	500 = 50 bar

Subject to change without notice / MikroLogRDG.cdr 12.2016