

For Validation Experts
by Validation Experts

MADE IN GERMANY

Valilog

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Normec Valitech was founded in 1998 as a provider for validation and certification services in the medical devices industry. Since 2015, Normec Valitech has been selling data loggers for temperature and pressure measurements under the Valilog brand. The product line incorporates many years of experience of our technicians, who use the measurement system on a daily basis in hospitals, clinics and the pharmaceutical industry.

Our logging system is specifically designed for routine checks, validations and verifications of high temperature processes up to 140 °C in a high pressure and steam environment.

The user-friendly software facilitates a quick and easy set up of the system. We always keep the software up to date with the latest technology thanks to update management. The contactless readout without cool-down time enables fast and convenient working, while the reading stations support the simultaneous readout of multiple loggers. We guarantee long battery lifetime and a high reliability of the data loggers.

Our service ensures that your workflow remains smooth:

While your Valilog loggers are being recalibrated in our accredited laboratory, you can remain operational with our rental loggers if you wish.



Built for extreme conditions, ideal for sterilization and cleaning processes



Specifications

Temperature logger

Measurement range:	0 –140 °C
Accuracy:	+/- 0,1 °C
Diameter:	22 mm
Sensor length:	15 / 200 / 450 mm
Measurement duration with 1-second-measurements:	18 hrs

Pressure logger

Measurement range:	0 – 4000 mBar
Accuracy:	+/- 15 mBar
Diameter:	22 mm
Measurement duration with 1-second-measurements:	18 hrs

Temperature logger



Pressure logger



Specifications

Combined logger

Measurement range temp.:	0 –140 °C
Accuracy temperature:	+/- 0,1 °C
Measurement range pressure:	0 – 4000 mBar
Accuracy pressure:	+/- 15 mBar
Measurement duration with 1-second-measurements:	18 hrs per sensor
Diameter:	22 mm
Sensor length:	15 / 200 / 450 mm

Combined logger



Specifications

Reading interfaces

1, 2 or 4 plug positions

PC interface:	USB 2-B
Power supply:	USB
Data transmission logger:	inductive
Sensors:	1, 2 or 4




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Specifications

Conductance Logger

Measurement range compensated for temperature:	5 – 2000 µS/cm; 0 –100 °C
Accuracy:	1 µS/cm (< 100 µS/cm); ± 2,5 % from m.v. (> 100 µS/cm); ± 0,1 °C
Diameter:	22 mm



Next evolution: **Compact, flexible & ready for low pressure**



Specifications

Temperature logger

Measurement range:	0 –140 °C
Accuracy:	+/- 0.1 °C
Diameter:	16.5 mm
Sensor length:	15 / 200 mm
Measurement duration with 1-sec.-measurements:	18 hrs with one sensor or 9 hrs with two sensors

Pressure logger

Measurement range:	0 – 4000 mBar
Accuracy:	+/- 15 mBar
Diameter:	16.5 mm
Measurement duration with 1-sec.-measurements:	18 hrs



Temperature logger

Specifications

Combined logger

Measurement range temp.:	0 –140 °C
Accuracy temperature:	+/- 0.1 °C
Measurement range pressure:	0 – 4000 mBar
Accuracy pressure:	+/- 15 mBar
Measurement duration with 1-sec.-measurements:	9 hrs per sensor
Diameter:	16.5 mm
Sensor length:	15 mm

Reading interfaces

1 oder 6 plug positions PC interface:	USB-C
Power supply:	USB
Data transmission logger:	inductive (NFC)
Sensors:	1 oder 6



Software and Service: V1 and V2 data logger system



Full Control

- Multilingual software
- Regular updating
- Fast evaluations and reporting Intuitive operation with variable user interface
- Audit-proof performance of measurements
- Your own company logo own colour scheme can be used



Full Service

- Free loggers for test period
- Possibility to provide rental loggers
- Short term calibrations in our own laboratory and calibrations according to certified standards
- 2 year guarantee
- Battery life longer than 1 year (usually corresponds to the calibration period)

Appendix:
Our Valilog innovations



Precision where pressure is almost impossible to measure.

High-precision process analysis from deep vacuum to atmospheric pressure. Designed for use in H_2O_2 sterilization processes.

IP68 | Contactless inductive data transmission | Large data storage capacity

Specifications

Low pressure logger

Measuring range:	0.1 to 1100 mbar (absolute)
Measurement accuracy:	0.1 to 50 mbar: ±0.2 mbar
	50 to 100 mbar: ±5% of the measured value
	100 to 1100 mbar: ±1% of the full-scale value



Low pressure logger

Bowie-Dick now digital

Electronic testing system for performing Bowie-Dick tests as part of the daily functional checks of steam sterilizers.

Digital documentation | Objective electronic evaluation | Reusable test system

Expected to be available starting in Q1 2027



Temperature Measurement

Measuring range:	0 °C to 140 °C
Resolution:	≤ 0.01 °C
Accuracy:	≤ ±0.1 °C

Pressure Measurement

Measuring range:	10 mbar to 5 bar abs.
Resolution:	≤ 1 mbar

Measured Variables

- Temperature
- Absolute pressure
- Vacuum profile
- Time

Optional

- Pressure rise rate
- Leak rate
- Vapor penetration depth (derived parameter)



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