

Online data logger temperature

Data logger for recording and documenting temperature readings

Uninterrupted temperature monitoring

Measurement value transfer by wireless LAN

All measurement data available at any time

Direct alarms in cases of limit value violations –
via the testo Saveris Control Unit, by e-mail and /or SMS

Available in various designs – tailored to the respective
application

Certified according to EN 12830



The online data loggers allow the automatic and highly efficient monitoring of storage conditions. Depending on the application, various models are available: The data logger with internal temperature sensor is suitable for monitoring temperature in cramped surroundings. The other data loggers each have at least one external temperature sensor whose especially thin cable can be taken past seals without any problems. The online data logger with the product temperature simulator is suitable for the simulation of the core temperature of products. The 3-channel online data logger additionally monitors the opening cycles of doors.

All online data loggers can be configured quickly and easily without software installation. They then reliably record temperature values at adjustable intervals and transfer the measurement values by wireless LAN to the Testo Cloud. The data are securely stored there, and can be analyzed at any time and from anywhere. Limit value violations are immediately reported to the testo Saveris Control Unit, and optionally also by e-mail or SMS. In addition to this, different alarm recipients can be defined outside opening hours.

Ordering data

Online data logger - internal

Online data logger with internal temperature sensor for monitoring air temperature. Immediate measurement data transfer by wireless LAN.



Order no. 0572 2620

Online data logger - 1-channel

Online data logger with external temperature sensor for monitoring air temperature. Immediate measurement data transfer by wireless LAN.



Order no. 0572 2621

Online data logger - 2-channel

Online data logger for monitoring air temperature with an external temperature sensor, as well as product temperature using a product temperature simulator. Immediate measurement data transfer by wireless LAN.



Order no. 0572 2622

Online data logger - 2-channel short

Online data logger for monitoring air temperature with an external temperature sensor, as well as product temperature using a product temperature simulator. Immediate measurement data transfer by wireless LAN. Short cables (15 cm) and lithium batteries (included in delivery) – for fast installation and use at low temperatures.



Order no. 0572 2622 02

Online data logger - 3-channel

Online data logger for monitoring air temperature with an external sensor, product temperature with a product simulator as well as the door opening and closing times with a door contact probe. Immediate measurement data transfer by wireless LAN.



Order no. 0572 2623

Online data logger - 3-channel long

Online data logger for monitoring air temperature with an external sensor, product temperature with a product simulator as well as the door opening and closing times with a door contact probe. Immediate measurement data transfer by wireless LAN. Long cables (15 m for air and product temperature, 7 m for door contact) allow installation over long distances.



Order no. 0572 2623 02

Technical data

	Online data logger internal	Online data logger 1-channel	Online data logger 2-channel	Online data logger 2-channel short	Online data logger 3-channel	Online data logger 3-channel long
General technical data						
Storage temperature	-30 to +70 °C (without batteries)	-30 to +70 °C (without batteries)	-30 to +70 °C (without batteries)	-30 to +70 °C (without batteries)	-30 to +70 °C (without batteries)	-30 to +70 °C (without batteries)
Operating temperature	-30 to +50 °C (< 10 °C only with Energizer L91)	-30 to +50 °C (< 10 °C only with Energizer L91)	-30 to +50 °C (< 10 °C only with Energizer L91)	-30 to +50 °C	-30 to +50 °C (< 10 °C only with Energizer L91)	-30 to +50 °C (< 10 °C only with Energizer L91)
Dimensions	79,6 mm x 53 mm x 23,5 mm	83.15 mm x 53 mm x 23.5 mm 2 m cable length Measurement probe	83.15 mm x 53 mm x 23.5 mm 2 m cable length Measurement probe	83.15 mm x 53 mm x 23.5 mm 15 cm cable length Measurement probe	83.15 mm x 53 mm x 23.5 mm 2 m cable length Measurement probe 1 m cable length door contact sensor	83.15 mm x 53 mm x 23.5 mm 15 m cable length Measurement probe 7 m cable length door contact sensor
Weight	95 g	111 g	167 g	128 g	179 g	382 g
Battery type	3 x AAA Micro batteries	3 x AAA Micro batteries	3 x AAA Micro batteries	3 x AAA Micro batteries	3 x AAA Micro batteries	3 x AAA Micro batteries
Battery life	2 years at +22 °C, 15-minute measuring cycle and 3 h communication cycle	2 years at +22 °C, 15-minute measuring cycle and 3 h communication cycle	2 years at +22 °C, 15-minute measuring cycle and 3 h communication cycle	2 years at < +10 °C, 15-minute measuring cycle and 3 h communication cycle	2 years at +22 °C, 15-minute measuring cycle and 3 h communication cycle	2 years at +22 °C, 15-minute measuring cycle and 3 h communication cycle
Housing material	ABS	ABS	ABS	ABS	ABS	ABS
Protection class	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65
Measuring cycle	5 min – 24 h	5 min – 24 h	5 min – 24 h	5 min – 24 h	5 min – 24 h	5 min – 24 h
Communication cycle	5 min – 24 h	5 min – 24 h	5 min – 24 h	5 min – 24 h	5 min – 24 h	5 min – 24 h
Memory	10,000 readings	10,000 readings	10,000 readings	10,000 readings	10,000 readings	10,000 readings
Temperature measurement						
Sensor type	NTC internal	NTC external	NTC external product simulator	NTC external product simulator	NTC external product simulator door contact	NTC external product simulator door contact
Measuring range	-30 to +50 °C	-30 to +80 °C	-30 to +80 °C	-30 to +80 °C	-30 to +80 °C	-30 to +80 °C
Measuring range product simulator	-	-	-30 to +50 °C	-30 to +50 °C	-30 to +50 °C	-30 to +50 °C
Accuracy (± 1 digit)	Temperature: ±0.5 °C	Temperature: ±0.5 °C	Temperature: ±0.5 °C	Temperature: ±0.5 °C	Temperature: ±0.5 °C	Temperature: ±0.5 °C
Resolution	Temperature: 0.1 °C	Temperature: 0.1 °C	Temperature: 0.1 °C	Temperature: 0.1 °C	Temperature: 0.1 °C	Temperature: 0.1 °C
Response time	t90 (20K): < 60 min (acc. to EN 12830)	t90 (20K): < 4 min (acc. to EN 12830)	t90 (20K): < 4 min (acc. to EN 12830) product simulator: t90: < 45 min (still air)	t90 (20K): < 4 min (acc. to EN 12830) product simulator: t90: < 45 min (still air)	t90 (20K): < 4 min (acc. to EN 12830) product simulator: t90: < 45 min (still air)	t90 (20K): < 4 min (acc. to EN 12830) product simulator: t90: < 45 min (still air)

Accessories

Magnet for reed switch (spare part for the door contact sensor of the online data logger - 3-channel)	0204 0038
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