

Technical data sheet

Product: nivelo COSTUM SENSOR

Status: 22.07.2024

nivelo



Housing	stainless steel 1.4435
	Ø 42.4 mm x 165 mm with pressure compensation element,
	Cable gland for cables from 3.6..6.4 mm
Protection class	IP65 / IP68
	IP68 – only with professional installation
Power supply	Lithium primary battery
	3.6 V / 5,500 mAh - can be replaced in the field
Remote transmission	Mobile radio
	Mobile radio LTE-CAT-M1 and LTE-CAT-NB2
	SIM chip integrated or with custom SIM
Near-field communication	Bluetooth
	Advertisement and configuration mode with app for parameterization in the field
Interface	I2C
Antenna	Rod antenna
	SMA, length 50 mm
Operating temperature	-20 °C ... +60 °C *
	Normal: -10 °C ... +60 °C
Sensor interfaces	RS485
	RS232 half-duplex
Internal sensors	Barometer ± 1 mbar
	Temperature ± 2 °C
	Humidity ± 3 %rH
	Supply voltage
Sensor supply	5..24 V, 1 W
Weight	approx. 650 g
Internal measurement data memory	approx. 8,000 data records

* Under special conditions such as low temperatures, poor mobile phone reception and partially discharged batteries, there may be constellations in which there may be occasional transmission failures in areas below the normal operating temperature range.

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Interface	RS485
Compatible sensors with RS485 interface, e.g.	SEBA Dipper PT
	SEBA Dipper PTEC
	OTT PLS-C
	UIT CTD

Interface	RS232
Compatible sensors with RS232 interface, e.g.	vanESSEN TD-Diver*
	vanESSEN Cera-Diver*
	vanESSEN CTD-Diver*

* with DiverDataCable