



nivelo[®]

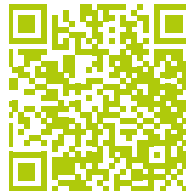
GROUNDWATER DATA LOGGER

for groundwater measuring points from 2"

DESCRIPTION

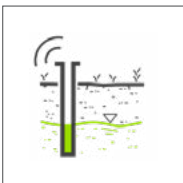
Remote data acquisition system for long-term monitoring, for securing water management evidence or for temporary measurements at groundwater measuring points, wells and watercourses with integrated web platform and interfaces to customer-specific software packages.

FURTHER PRODUCT INFORMATION



You can find extensive information about the product on our website and in our online shop.

ADVANTAGES AND FEATURES



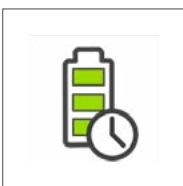
Permanent remote data readout

Europe-wide data transmission via cellular LTE-M1/NB-IoT networks and integrated SIM card



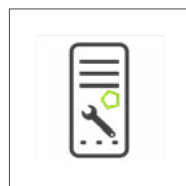
Protocols and data forwarding

Automated data logs via PDF or data forwarding to third-party systems (CSV, REST-API, OPC)



Long runtime

8-year runtime with 60-minute recording and 24-hour transmission on a single battery



Quick setup and installation

Rapid implementation through an intuitive site setup and suitable accessories in the field



Online data access and remote configuration

Remote configurability at any time via the online web-platform using a PC, tablet, or smartphone



Alerting

Alerting of threshold violations across all channels and system malfunctions via SMS or E-mail

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PRODUCT VARIANTS



TECHNICAL KEY DATA

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

*Under special conditions such as low temperatures, poor cellular network strength and partially discharged batteries, there can be scenarios where occasional transmission failures may occur in ranges below the normal operating temperature range.