



unio

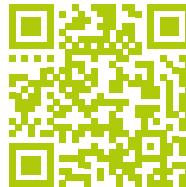
REMOTE DATA LOGGER

with variable power supply

DESCRIPTION

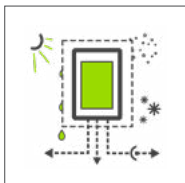
Compact remote control device for environmental and water measurement technology with flexible power supply (mains, battery, solar) and integrated mobile radio technology. Wired and wireless interfaces as well as switchable power supply options for connecting sensors.

FURTHER PRODUCT INFORMATION



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

ADVANTAGES AND FEATURES



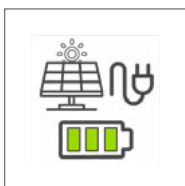
Suitable housing sizes

Variable housing sizes and plug-in sets enable use in harsh environmental conditions.



State-of-the-art connectivity

State-of-the-art LTE-M1/NB1 mobile technology and integrated SIM for fast and seamless data connections.



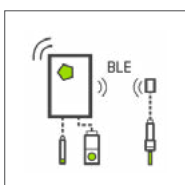
Flexible energy supply

Replaceable power supply units (PSUs) support battery, solar or mains operation.



Online data access and remote configuration

Can be configured remotely at any time via the online data platform using a PC, tablet or smartphone.



Universal field interfaces

Universal interfaces and Bluetooth for sensor connection, one switching contact for signal output.



Alerting and data forwarding

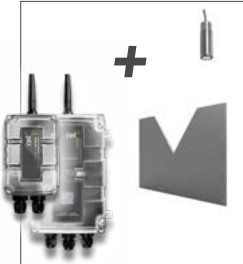
Alerting of limit value violations on all channels and system faults via SMS or e-mail

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PRODUCT VARIANTS



unio FLOW

Online flow measurement using a measuring weir for source, watercourses and seepage systems



unio LEVEL GUARD

Simple fill level alarm for containers, basins and objects using float switches



unio GROUND WATER QUALITY

Quality measurements at source and in groundwater with temperature, conductivity, turbidity, etc.



unio NIVEAU

Level monitoring with alarm for tanks and basins using a pressure or level probe



unio METER

Online flow measurement using water meters for elevated tanks, transfer and meter chambers

Diverse Produktvarianten können auch nach Bedarf kombiniert werden.

TECHNICAL KEY DATA

| | | | | |
|---|---|---|--|--|
| Housing and protection class | ABS/PC with pressure equalization | IP66 / IP68 (IP68: 105days@1m) | unio: 86x175x64 mm unio+: 130x250x78 mm | 2x cable gland (5x unio+) |
| Power supply | Direct 12...32VDC (max. 12W) | Battery | Battery suitable for indoor or outdoor use with/without PV | power supply unit |
| Data transmission | Cellular network 2G/M1/NB1 World | Cellular network 2G/3G/4G World (unio+ only) | Integrated SIM chip or with custom SIM | Bluetooth Low Energy 5.0 |
| Environmental conditions | -20...+60°C | 15...90%rH non-condensing | | |
| Sensor interfaces | Max. 4x analog (0/4...20mA, 0...2/10V) or digital (digital, counter, PWM, frequency), 1x RS232, 1x RS485, 1x PT100/1000. Optional with unio+: 1x RS485 galvanically isolated, 1x SDI 12 | | | |
| Internal sensors | Input voltage | SOC (state of charge), battery life in days | Mobile network strength | Humidity and temperature in the device |
| Sensor supply and outputs | 2x switchable 3.3V supply (max. 180mA) | 1x switchable sensor supply 5...24V (max. 1.5W) | 1x potential-free switching contact | |
| Interfaces | RGB LED | Magnetic switch | Cover reed contact | 1.5" full color display (unio+ only) |
| Internal measurement data memory | 3 Mb | 61,000 data records with 10x 32 bit memory values | | |