



# unio

## NIVEAU

Online level monitoring with level alarm for tanks, storage tanks and cisterns

### DESCRIPTION

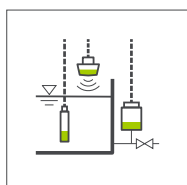
Online level monitoring with alarm via SMS and e-mail in the event of critical water levels. Device with flexible power supply (mains, battery, solar) and suitable sensors for level measurement in elevated tanks, deep tanks, cisterns, rainwater overflow basins and storage facilities.

### FURTHER PRODUCT INFORMATION



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

### ADVANTAGES AND FEATURES



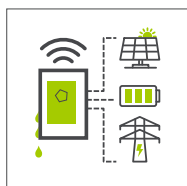
#### Customizable sensors

Level measurement with submerged level sensors, non-contact radar sensors or pressure transmitters for pipelines.



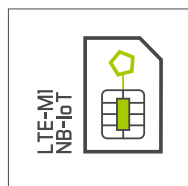
#### Reliable alerting

Reliably receive alarms via high-priority SMS or e-mail and track them in the alarm archive.



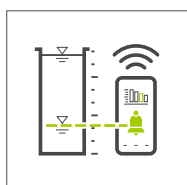
#### Flexible power supply

Battery, rechargeable battery, solar or mains operation for level monitoring even in the most remote locations.



#### Simple connectivity

State-of-the-art LTE-M1/NB1 mobile technology and integrated SIM for simple, Europe-wide data connection.



#### Dynamic alarm thresholds

Change configuration, alarm thresholds or receivers remotely at any time - via the online cell.datacenter.

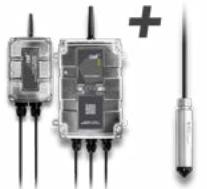


#### Online measurement data access

View measurement data from the field at any time via the online platform using a PC, tablet or smartphone.

## PRODUCT VARIANTS

### Wired sensors




**Level sensor**

Sensor for mounting in water chambers from above - in contact with the medium.



**Radar sensor**

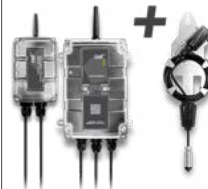
Sensor for mounting above the water level - no contact with medium.



**Pressure transmitter**

Sensor for screwing into pipes - in contact with the medium.

### Wireless sensors



**Level sensor, wireless**

Bluetooth sensor for hanging in water chambers from above - in contact with the medium.



**Wireless radar probe**

Bluetooth sensor for mounting above the water level - no contact with medium.

A variety of product variants can also be combined as required.

## TECHNISCHE ECKDATEN

Water level measurement	Level probe PT	Radar probe RS	Pressure transmitter PS	PT-BLE level probe	RS-BLE radar probe
Sensor interface	Cables			Bluetooth (10-20 m)	
Sensor Messbereich	0..10 m	0..15 m	0..10 m	0..10 m	0..5 m
Sensor Genauigkeit	+/- 0,1 %FS*	+/- 2 mm	+/- 0,25 %FS*	+/- 0,25 %FS*	+/- 2 mm
Housing and protection class	unio+: plastic housing 130x250x78mm, IP66/IP68 Optional protective housing made of plastic or stainless steel				
Supply	Optional: Battery 7.2V/94Wh Rechargeable battery 3.75V/51Wh, optionally with solar panel 30W Mains supply with power supply unit, DC protection and buffer battery for power failure detection				
Data transmission	Mobile radio 2G/M1/NB1 or 2G/3G/4G, integrated SIM chip, Bluetooth Low Energy 5.0				
Interfaces	4x universal input digital/analog, 1x RS232, 1x RS485, 1x PT100/1000 Optional: 1x RS485 galvanically isolated, 1x SDI-12				
Internal sensors	Input voltage, SOC (state of charge), battery life in days, mobile phone strength, humidity and temperature in the device				
Sensor supply	2x switchable 3.3V (max. 180mA), 1x switchable 5..24V (max. 1.5W)				
Interfaces	RGB LED, magnetic switch, 1.5" full color display (optional)				

\*FS = FullScale (set measuring range). e.g. Accuracy 0.1% at FS 10 mWs = 1 cm (valid at 20-25°C).  
 For further details, see unio and unio+ data sheets