

LEVELR

Sound Water Level Sensor

Early detection
for your
protection!

Precision water level monitoring

IoT Level sensor



- contactless sonar measurement
- no calibration or air pressure compensation needed
- accurate; +/- 5 mm up to 20 m depth
- fits monitoring pipes from Ø 25 mm
- compact design
- easy install, no cables or tools
- data buffering up to several days
- synchronized sampling for multiple sensors
- on demand data
- real time 24/7 online
- easily scalable
- upload via API
- adjustable intervals

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Specifications IoT Level sensor

General specifications

Measuring principle	Contactless sonar measurement
Applicability	Monitoring pipes Ø 25 to 63 mm
Measuring range	0.25 to 20.00 m
Accuracy	+/- 5 mm
Resolution	1 mm
Measurement	Water level, temperature in pipe, tilt angle of device
Material	ABS / PC
Dimensions	Ø 90 x 125 mm
Weight	260 grams
Environmental	IP-X6
Installation	Fits level tube via transition piece with 1" or 1.5" thread

Cellular communications

Modem	2-way LTE-M communication 300 kbps 3GPP-LTE
Certification	Most regions, networks and LTE bands
Frequency bands	B1, B2, B3, B4, B5, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28 and B66
Tx power	Up to 23 dBm
Rx sensitivity	-108 dBm
Antenna	SMD Ceramic 5G/4G/3G/2G/LTE compatible

Battery

Type	Lithium 3.6 V 6.5 Ah cell
Battery lifetime	Approx. 43,800 measurements (depending on interval and signal strength)

MonitoR Platform

Software Interface	MonitoR web-based dashboard (desktop & mobile), secure cloudbased architecture, 24/7 online monitoring
Project & sensor management	Group sensors per project, assign users and roles; adjust intervals, zero sensors and export data
Notifications & API	Automatic alerts on water level changes with adjustable thresholds; secure and scalable API for third-party integration



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A solution by

StabiAlert

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