



Water level Monitoring

# Pressure Level Gauge

## LEVEL MONITORING

## PRECISION

The Pressure Level Gauge is a comprehensive solution for accurate, real-time water level observations. It features a pressure sensor mounted below the water surface and a data logger positioned above it, which can be fixed to structures such as platforms, piers or jetties. Equipped with an industry-grade pressure sensor, it accurately measures water pressure and converts it into referenced water levels data. Various cable lengths, which can be vented (no atmospheric pressure correction needed) or non-vented (atmospheric pressure correction needed) are available. Data are transmitted to the Obscape Data Portal and simultaneously stored on an onboard SD card.

## KEY FEATURES

- 01 Industry-Grade Pressure Sensor: Built for durability & accuracy
- 02 Solar-Powered: Self-sustaining power source ensures uninterrupted operation
- 03 Reliable Connectivity: Data transfer via 4G networks ensures seamless access
- 04 Compact & Robust Design: Durable, weatherproof housing built for tough conditions
- 05 Easy Deployment: Lightweight & multiple mounting options for flexible setup
- 06 Integrated Data Portal: User-friendly portal for efficient data management and analysis



IMAGE MAY VARY FROM ACTUAL PRODUCT

## PURCHASE INCLUDES

- Free access to the Obscape Data Portal
- Mounting brackets
- SD card - can also be run in offline mode

### Optional:

- 1) Satcom upgrade for continuous connectivity beyond cellular range
- 2) Cellular global SIM - Includes €100 of data credit

# PRESSURE LEVEL GAUGE TECHNICAL SPECIFICATIONS



SPECS		
WEIGHT	PRIMARY POWER	195 mm height x 87 mm width x 87 mm depth
SOURCE	CONNECTIVITY	2 kg
CELLULAR	DATA LOAD	Solar-powered, 3 Watt
REAL-TIME	DATA INTERVAL	Cellular (4G with 2G fallback)
BATTERY	TYPE	~8 kB per message
VOLTAGE	NOMINAL	5 minutes – 24 hours (User selectable)
		1 x Lithium-ion battery
SAMPLE INTERVAL		3.7 V
VERTICAL REFERENCE		
DIAGNOSTIC	PARAMETERS	5 - 60 minutes (User selectable)
		Specified by user
		In the event of temporary connection outages, a data queue ensures data is sent
SENSOR		Battery voltage, internal temperature and atmospheric pressure, signal strength
CABLE OPTIONS		
		Aquaread LevelLine Mini
		Vented (No atmospheric pressure correction needed) or non-vented (atmospheric pressure correction needed)

DATA STORAGE		
	CLOUD STORAGE	Free access to the Obscape Data Portal for real-time and historical data, sensor configuration, alerts
	ON-BOARD SD CARD	Data stored to the on-board SD card as a backup - or for cases where data connection is absent

[www.dutchwaterprevention.com](http://www.dutchwaterprevention.com)

## DATA OUTPUT

- Water level
- Waterdepth\*

\*Dependant on users specifying the distance between the sensor and the sea/riverbed

## OPTIONAL SATCOM UPGRADE

IMAGE MAY VARY FROM ACTUAL PRODUCT



## SATCOM SPECS

ANTENNA SIZE	Height 74.2mm / Diameter 66.5mm
NETWORK	Iridium
DATA LOAD	1 satellite credit per message
MONTHLY COST	Line rental and SATCOM credits

Satellite subscription services and credits available on request

## DATA ACCESS

### SEAMLESSLY CONNECT FIELD DATA & OFFICE OPERATIONS

- 01 Real-time data: Water level, water depth (dependant on input parameters)
- 02 Download: CSV file, graphs, PDF report
- 03 Forwarding: JSON API or HTTP post
- 04 Notifications: Offline, low battery, parameter threshold exceedance

## CONTACT US

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