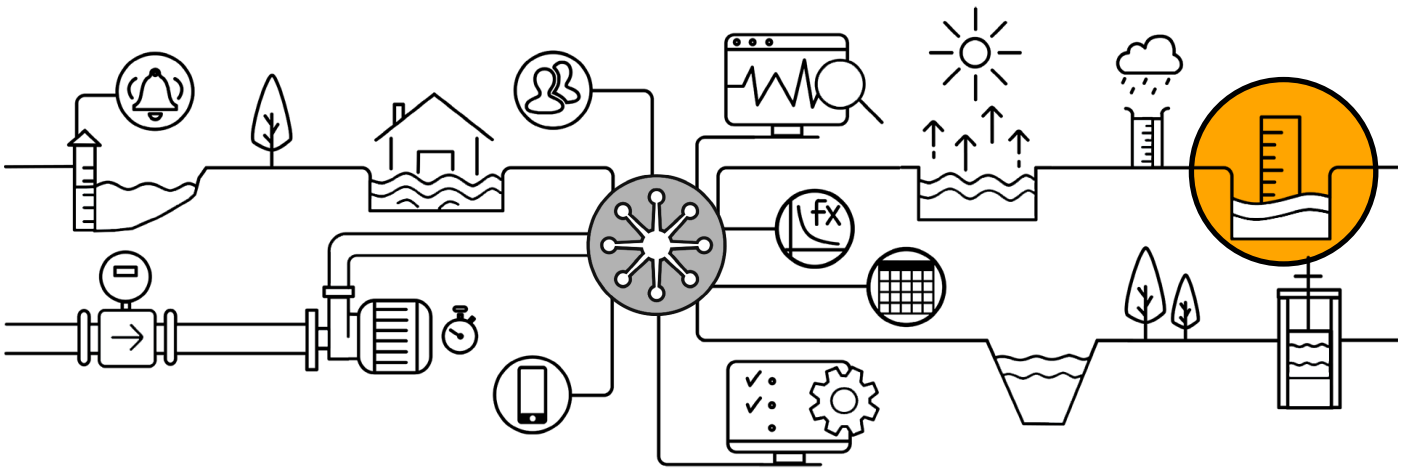


**What gets measured, gets managed.**

INNOVATIVE SOLUTIONS FOR COST EFFECTIVE  
WATER RESOURCES MEASUREMENT, MONITORING & ALERTING

## VIGILEVEL Water Level



**VIGILEVEL** is a telemetry device that measures the changes in water level using the Archimedes buoyancy rules. **VIGILEVEL** is capable of logging, transmitting, and alerting water level changes via SMS and GPRS.

**VIGILEVEL** settings can be changed with **VIGISOFT** software via on-site as well as remote communication ports.

Data sent through **VIGILEVEL** can be received and managed using a Client / Server software called **WaterQuey**.

Features of **VIGILEVEL** are simplicity, low cost, low power consumption, simple calibration, sediment and corrosion resistance, easy installation and anti-vandalism.



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# VIGILEVEL (Data Sheet)

## Water Level

### TECHNOLOGY

Archimedes buoyancy Rule

### SENSOR

Water Level	Class C3, Weight sensor/ Water level: Analogue, IP65, Connector cable :5×0.2 mm L300 mm, IP67
Water Level Accuracy	0.1% F.S.
Temperature Accuracy	0.5° C

### Water LEVEL SENSOR ACCESSORIES

Hanging Pipe Diameter	25 mm (~600gr / meter)
Hanging Pipe Material	Special polymer alloy, Sediment & Corrosion resistant
Rope	Galvanized Steel, weight: 250gr / 100 meter
Other Accessories	3 rings and carabineers galvanized , 4 galvanized screws 6 mm
Wall mounting tool /screw	Special tool & 4× M6/ M12

### RTU

Logging Memory	1000 Records ( Up to 20000 <b>Optional</b> )
Transferring Data	GSM, GPRS, APN each one to 2 address (Preferably-combined methods)
SIM CARD Socket	Nano
GSM Antenna	Normal: 2db, Strong 5 db ( <b>Optional</b> )
Converting Data	Converting water level data to volume in tanks, lakes, manholes & pools
Screen ( <b>Optional</b> )	2*8 character
Trigger Key	Magnetic key for on-site reading and data transmission
Internal Battery	1×AA 3.6 VDC, Lithium 2.2Ah
Eternal Battery	8-18 VDC, Recommended: 8×AA 1.5 VDC Alkaline with battery case
Inputs / Output ( <b>Optional</b> )	Load Cell Analog
	Input: 2×Voltage / 2×Analog 4-20mA (Accuracy 0.1% F.S.)
	Input: 2×I/O / 2×Pump on/off
	Input and Output: RS485 (USB connector)
Glandes input	IP68
Data Logger Configuration Cable	Connector USB, 1 m Length, Anti Noise
Housing Material	ABS, IP66
Size	L120×W120×H110 mm Cream color with transparent door
Weight	With electronic board and battery: ~600 gr
Operation Temperature	- 20 to 65 ° C

### SOFTWARE

VIGISOFT	Control / Setting
WaterQuery	Data Acquisition / Presentation / Monitoring



# VIGILEVEL (Features & Advantages)

## Water Level

### ENCLOSURE

Material	Steel-GRP, Color: white electrostatic color
Size	Cylinder shape: D220× H210 mm
Weight	~6 Kg including housing & sensor




### INSTALLATION

Housing	On the wall with two 4 mm screws / Shelter inside
Enclosure ( <b>Optional</b> )	Welding on stilling well

### OPERATION FEATURES

Easy for pulling out the tube and cable from inside of the stilling well
Ability to hanging accessories inside the well during repairing
Special wall-mounting accessories
Lightweight, compact and portable compared to other enclosures
Reduce the risk of equipment falling into the well
Easy for replacement of spares
Hidden lock
Non-attraction shape
Ability to install on a variety of wells and stilling wells
No interference in radio waves to send data via GSM
Anti-Vandalism enclosure
Resistance against salinity and corrosion
No need for expensive mechanical installations
Wide range of chargeable or non-chargeable batteries, Available everywhere
No need for earthing system
No need for solar cells and controller charger
No AC power required
Low energy consumption
Battery replacement case

### ADVANTAGES

 <b>Simple</b>	 <b>Easy Calibration</b>	 <b>Corrosion and Salinity Resistant</b>	 <b>Protected Against Vandalism</b>
 <b>Cost Effective</b>	 <b>Stable</b>	 <b>Easy Maintenance</b>	 <b>Appropriate Measuring Range</b>