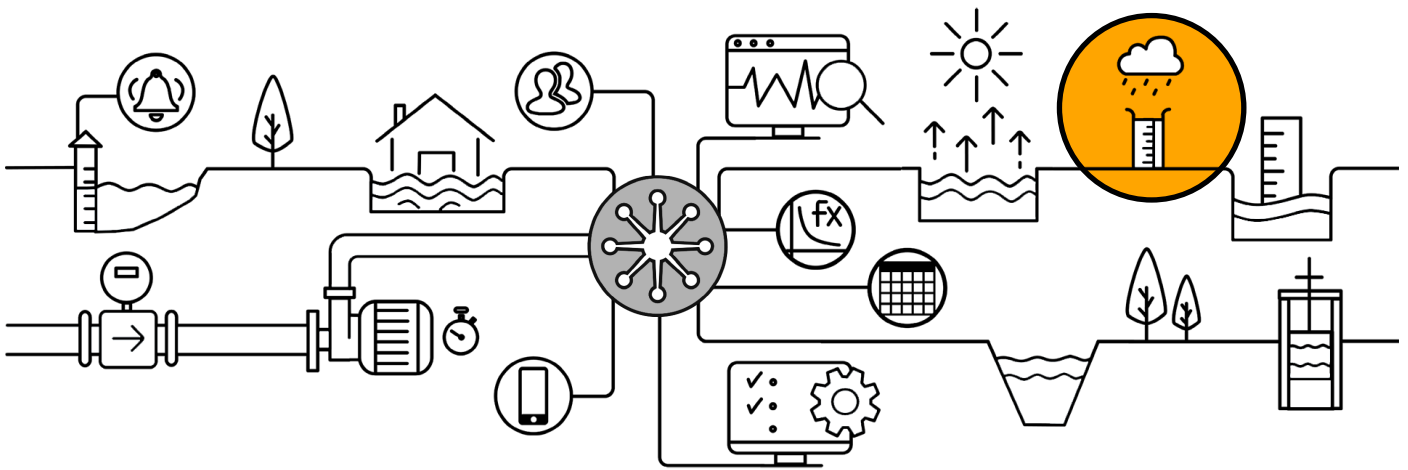


**What gets measured, gets managed.**

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

## VIGIRAIN

### Precipitation & Storm



**VIGIRAIN** is a device that measures changes in precipitation by two methods of Archimedes' buoyancy rule and weight measurement in a normal rain gauge.

**VIGIRAIN** is able to record, transmit and warn of rainfall changes via SMS and GPRS.

**VIGIRAIN** settings can be changed with the help of **VIGISOFT** software through in-situ and remote communication ports.

Data sent via **VIGIRAIN** can be received and managed with the help of a client / server software called **WaterQuey**.

The features of **VIGIRAIN** are simplicity, low cost, very low energy consumption, simple calibration and simple operation.



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# VIGIRAIN (Data Sheet)

## Precipitation & Storm

### TECHNOLOGY

Volumetric

### SENSOR

Rain Level	Class C3, Weight sensor/ Water level: Analogue, IP65, Connector cable :5×0.2 mm L300 mm, IP67
Water Level Accuracy	0.1 mm (IDF: 10 mm/min)
Temperature Accuracy	0.5° C

### PERCIPITATION SENSOR ACCESSORIES

Internal Cylinder Pipe Diameter	70 mm
Other Accessories	4 galvanized screws 6 mm
Floor mounting screw	4× 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 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



# VIGIRAIN (Features & Advantages)

## Precipitation & Storm

### ENCLOSURE

Material	Steel, Color: Black electrostatic color
Size	L200×W260×H1000 mm
Weight	~17Kg including housing & sensor

### INSTALLATION

Housing	On the Floor with 4×12 mm screws inside the enclosure
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### OPERATION FEATURES

Special floor-mounting accessories
Additional Normal Rain Gauge
Lightweight, compact and portable
Easy for replacement of spares
Special lock
No interference in radio waves to send data via GSM
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



Simple



Easy Calibration



Cost Effective



Stable



Easy Maintenance