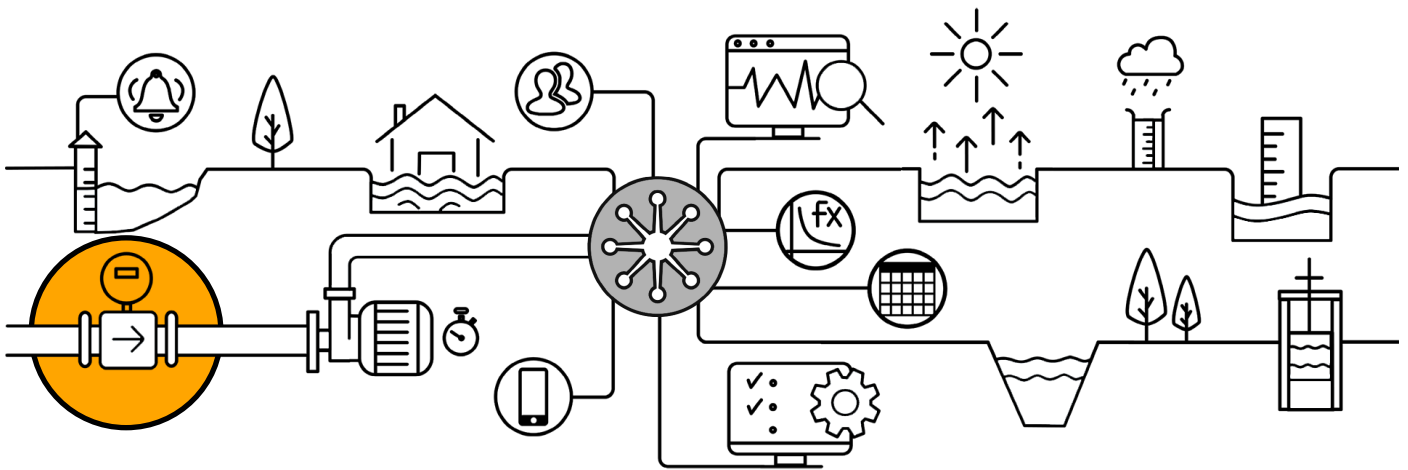


What gets measured, gets managed.

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

VIGIPIPE Pipe Flow Meter



VIGIPIPE is a telemetry device that is one of the innovations of **ABTIN TD** company, which measures the changes in water flow in the pipe by the index-force method.

VIGIPIPE is able to record, transmit and alert changes in current changes via SMS and GPRS.

VIGIPIPE settings can be changed with the help of **VIGISOFT** software through on-site and remote communication ports.

Data sent via **VIGIPIPE** can be received and managed using a client / server software called **WaterQuey**.

VIGIPIPE features are simplicity and speed of installation, low cost, very low energy consumption and simple validation.



VIGIPIPE (Data Sheet)

Pipe Flow Meter

TECHNOLOGY

Index-Force

SENSOR

Flow Sensor	Class C3, Weight sensor/ Water Flow Analogue, IP65, Connector cable:5×0.2 mm L300 mm, IP67
Flow Switch	Paddle
Flow uncertainty	~5% F.S.
Volume uncertainty	~2% F.S.
Temperature Accuracy	0.5° C

ACCESSORIES

Pipe mounting saddle for diesel pump (Poly ethylene)	Up to pipe diameter, Metallic (Optional)
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RTU

Logging Memory	1000 Records (Up to 20000 Optional)
Transferring Data	GSM, GPRS, APN each one to 2 address (Preferably-combined methods)
SIM CARD Socket	Nano
GSM Antenna	Normal: 2db, Strong 5 db (Optional)
Converting Data	Converting water level data to volume in tanks, lakes, manholes & pools
Screen (Optional)	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 (Optional)	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×H240mm Cream color with transparent door
Weight	With electronic board and battery: ~1000gr
Operation Temperature	- 20 to 65 ° C

SOFTWARE

VIGISOFT	Control / Setting
WaterQuery	Data Acquisition / Presentation / Monitoring



VIGIPIPE (Features & Advantages) Pipe Flow Meter

ENCLOSURE (Optional)

Material	Polymer, Color: white electrostatic color
Size	Cylinder shape: D160× H230 mm
Weight	~3.7 Kg including housing & sensor

INSTALLATION

Enclosure (Optional)	Saddle mounting to pipe
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OPERATION FEATURES

Easy saddle installation
Special saddle-mounting accessories
Lightweight, compact and portable compared to other enclosures
Easy operation
Easy for replacement of spares
Hidden lock
Non-attraction shape
Ability to install on a variety of pipe
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

 Simple	 Easy Calibration	 Corrosion and Salinity Resistant	 Protected Against Vandalism
 Cost Effective	 Stable	 Easy Maintenance	