

OUR OVERSEAS REPRESENTATION



● **Vadodara Manufacturing Unit**

- Srilanka
- U.A.E.
- Indonesia
- France
- Nepal
- Singapore
- Malaysia
- Yemen
- Bangladesh
- Thailand
- Poland
- South Africa
- Asutralia
- Brazil
- Russia
- Oman



FLOWTECH MEASURING INSTRUMENTS PVT. LTD.

AN ISO 9001: 2015 COMPANY

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 🌐 flowtech-instruments.com

SALES OFFICES : VADODARA | PUNE | BANGLORE | CHENNAI | GURGAON

FLOWTECH

ENGINEERING FOR RELIABILITY!



1
MILLION +
INSTALLATIONS



MANUFACTURER OF FLOW, LEVEL, PRESSURE & ANALYTICAL MEASURING INSTRUMENTS.

Engineering for Reliability!



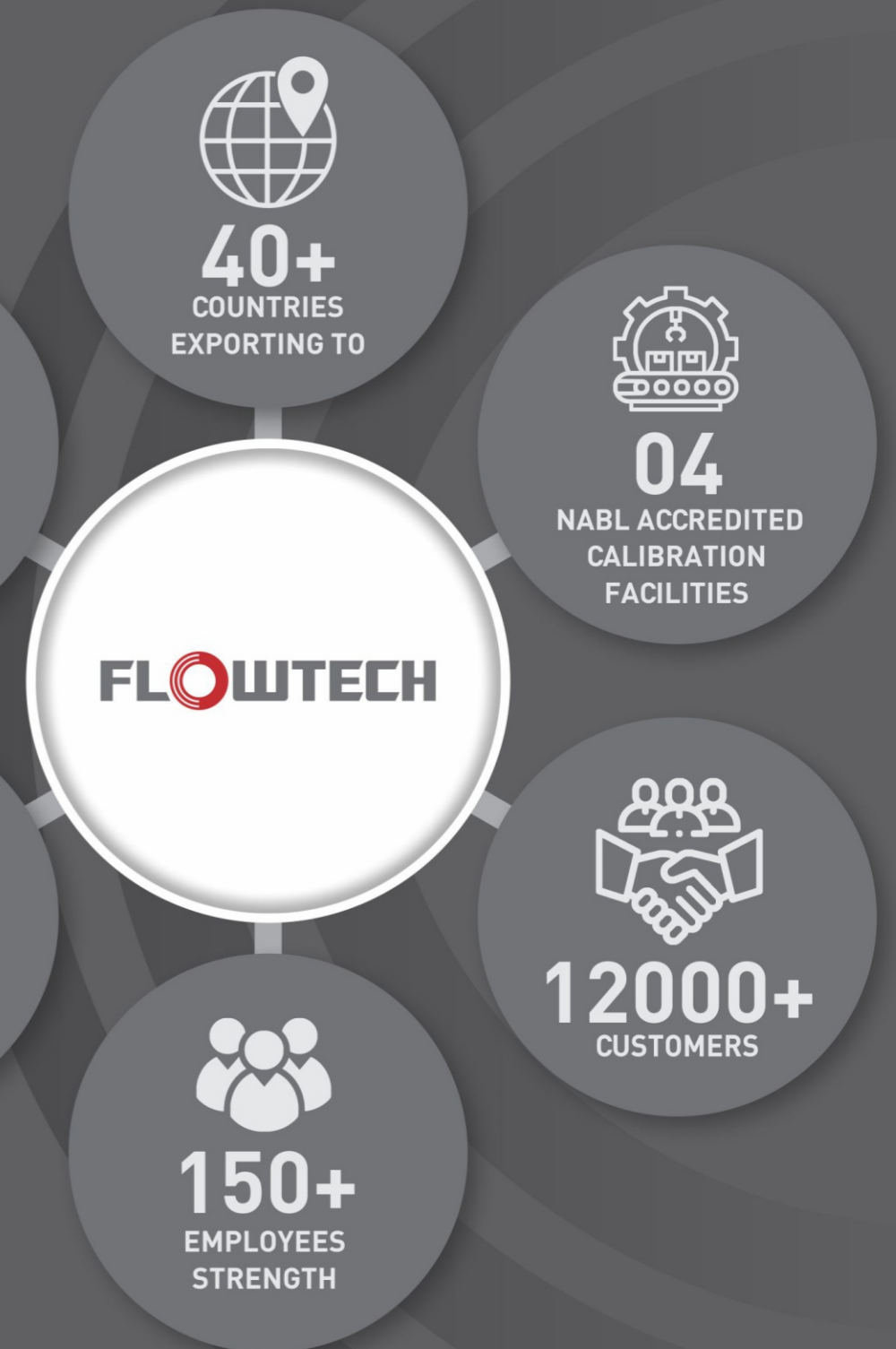
ABOUT US

With nearly 25 years of experience, indepth research and innovation, Flowtech is a global industrial instrument manufacturer and control solutions provider which has enabled many large scale companies and government organizations to automate with utmost transparent resource management.

We are an end-to-end manufacturing company with a robust product range in the field of Flow, Level, Analytical and Pressure Measurement.

We also deliver comprehensive solutions including hardware, software and turnkey project implementation and operating services in all key areas of automation.

For more elaborate idea about the Product and the Facilities of **Flowtech**, please visit us at flowtech-instruments.com



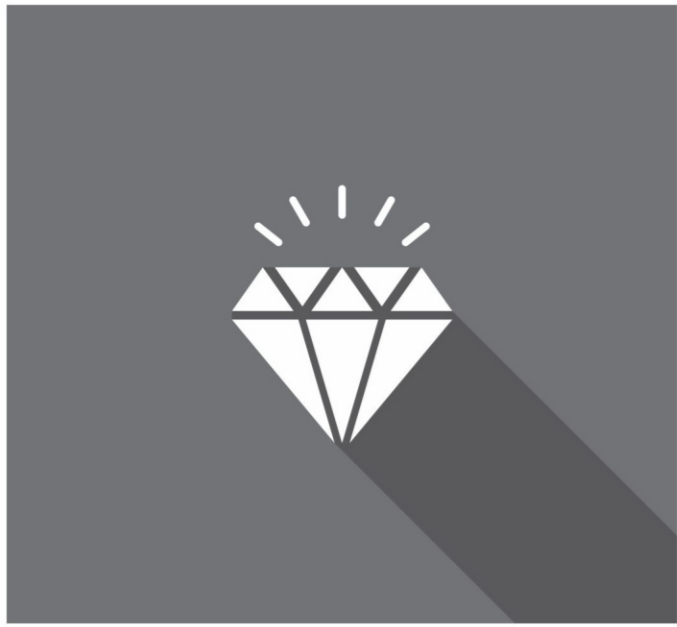


OUR VISION

- Accurate instruments renowned for their advanced features, enhancing usability and performance.
- Count on Flowtech for dependable instruments that deliver consistent and reliable results.
- Enjoy the perfect balance between quality and affordability with our competitively priced solutions.

OUR MISSION

- Committed to delivering precision in every aspect of our work.
- Embrace innovation as a means to stay at the forefront of our industry, constantly improving our products and services.
- We are dedicated to understanding our customers' needs and providing tailored solutions.



OUR VALUES

- Pioneers in problem solving in the field of automation
- Our innovative approach has given us the capacity to execute most unique idea

INFRASTRUCTURE & CREDENTIALS



Spanning an expansive 1 lakh square feet, our manufacturing facility is equipped with the latest technology machinery and state-of-the-art testing facilities. This ensures that we can deliver world-class products at competitive prices, meeting the highest quality standards.

- A team of 150+ experienced professionals contributes to our manufacturing excellence.
- Equipped to meet demand from clients worldwide, adhering to international quality standards.
- Our advanced testing facilities ensure instrument reliability and accuracy.



VOLUMETRIC FLOWMETERS



ELECTROMAGNETIC FLOWMETER

- Ensures accurate flow measurement for all conductive liquids only
- Accuracy: $\pm 0.5\%$ (0.2% Optional) of reading
- Range: 15NB to 3000NB
- Lining: PTFE/ Rubber/ PFA/ Ceramic
- Connection: Flange-End/ Threaded/ TC



TURBINE FLOWMETER

- Ensures accurate flow measurement for all liquid and Gaseous applications
- Accuracy: $\pm 1\%$ (0.5% Optional) of reading
- Range: 15NB to 300NB
- MOC: SS 304/ SS 316/ SS316L/ Custom.
- Connection: Flange-End/ Threaded/ TC
- Pulse Output / 4-20 mA / RS 485 / Relay Output



VORTEX FLOWMETER

- Ensures accurate flow measurement for all liquid & gases applications
- Accuracy: $\pm 1\%$ (0.5% Optional) of reading
- Range: 15NB to 300NB
- MOC: SS 304/ SS 316/ SS316L/ Custom.
- Connection: Flange-End/ Threaded/ TC
- Certifications: IBR - for Boilers



ULTRASONIC FLOWMETER

- Ensures accurate flow measurement for all liquid applications
- Accuracy: $\pm 1\%$ (0.5% Optional) of reading
- Range: 15NB to 300NB
- MOC: SS 304/ SS 316/ SS316L/ Custom.
- Connection: Flange-End/ Threaded/ TC
- Type of Sensors: Insertion/ Clamp-On

POSITIVE DISPLACEMENT FLOWMETERS



OVAL GEAR FLOWMETER

- Measuring range: 0.5 - 36 l/h ... 150 - 2500 l/min liquid
- Viscosity range: up to 1000cP
- Connection: G 1/2 ... G 4 female thread, flange DN25... DN100, ASME 1...4"
- Material: Aluminium, Stainless Steel
- tmax: 150 °C
- Accuracy: ± 0.5 of reading
- Pulse output, Analogue output, contacts, digital / pointer indicator, batcher, counter
- Max 30 bar in aluminium body & 200 bar in SS body



FUEL FLOWMETER

- Ensures accurate flow measurement for high-viscosity applications
- Working Principle: Oval Gear Positive Displacement
- Accuracy: 0.25%
- 25 NB / 40 Nb / 50 NB are available in threaded connection
- MOC: Aluminum / Cast Iron
- Connection : Flanged / Threaded / TC will be after accuracy line
- Flanged end from 15 NB to 150 NB



ORIFICE PLATES & FLANGE ASSEMBLIES

Suitable for creating differential pressure in a pipe line for flow transmitter etc.

Orifice flange assemblies consist of weld neck/ socket weld type flanges with standard / RTJ Orifice, studs, nuts, gaskets.

- Available in SS-316/ P.P. material
- Manufacturing range 50 NB to 1000 NB
- Design Standard conform to BS 1042/ ISO 5167
- Available in **IBR for Steam**

ROTAMETERS



GLASS TUBE ROTAMETERS

Mainly used for measuring rated flow of liquid and gases.

- Available in C.S., SS-304, SS-316, Poly Propylene, P.T.F.E. lined
- Flanged, Screwed, Hose Nipple & TC Joint connections
- Available from 15 NB to 100 NB pipe size
- Scale having Accuracy of $\pm 2\%$ FSD
- High & low flow switches



METAL TUBE ROTAMETERS

Suitable to measure flow rate of opaque / translucent liquid, gases, steam and vapour under critical operating conditions.

- High & low flow switches on request
- Accuracy $\pm 2\%$ FSD
- Available from 15 NB to 250 NB
- Flanged, Screwed, TC Joint, SMS Union
- Digital Display with 4-20mA + HART Output



ACRYLIC BODY ROTAMETERS

Precisely machined from Imported Transparent Solid Acrylic Block, Tapering tube is done by special tools.

- Available from 15 NB to 100 NB pipe size and ranges between 30 to 80,000 LPH of water at ambient temperature
- Accuracy $\pm 2\%$ FSD
- High & low flow switches on request
- Flanged, Screwed, Hose Nipple & TC Joint connections



BY-PASS ROTAMETERS

Suitable for pipeline of 50 NB and above (upto 1000 NB)

- Available in SS-316/SS-304/P.P. material
- Available in Corner tapping (carrier ring), Flange Tapping or D and D/2 Tapping
- Accuracy $\pm 2\%$ FSD
- High & low flow switches on request
- Installed in both vertical & horizontal Pipe line



LOW FLOW ROTAMETERS (Acrylic/Glass Tube)

Suitable for low flow rate of Gas or liquid measurement.

- Available in SS-316/SS-304/P.P./P.T.F.E. lined construction
- 10 LPH to 160 LPH of water at ambient temperature
- Accuracy $\pm 2\%$ FSD
- Panel mounted with high & low flow switches available
- Flanged, Screwed, Hose Nipple & TC Joint connections

LEVEL TRANSMITTER



HYDROSTATIC LEVEL TRANSMITTER

- Use for measure liquids level of tanks up to 10 meters or customer requirement
- Simple & easy maintenance and Installation
- 4-20 mA output signal
- 240V AC supply and Cable Length up to 10 meters
- Design for industries such as Power, Petroleum, Chemical Engineering and running water, etc.



ULTRASONIC LEVEL TRANSMITTER

- Ensures accurate level measurement for solid and liquid applications
- Accuracy: 0.25%
- Range: Upto 15 Meters
- Sensor MOC: ABS/ PTFE
- Connection: Flange-End/ Threaded/ TC
- Output: 4-20mA/ 4-20mA + HART
- Communication Output: RS 485



RADAR LEVEL TRANSMITTER

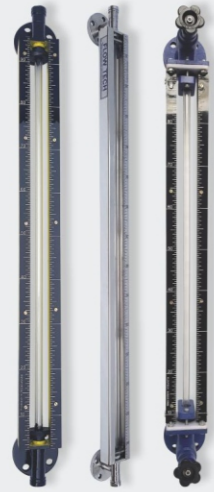
- Highly accurate level measurement for solid and liquid applications
- Accuracy: 0.15%
- Range: Upto 30 Meters
- Sensor MOC: ABS/ PTFE
- Connection: Flange-End / Threaded / TC
- Output: 4-20mA/ 4-20mA + HART
- Communication Output: RS 485



OPEN CHANNEL FLOWMETER

- Highly accurate flow measurement for open canals
- Accuracy: 0.5%
- Range: Depth - 10 Meters, Width - 10 Meters
- Sensor MOC: ABS / PTFE
- Connection: Flange-End / Threaded / TC
- Output: 4-20mA/ 4-20mA + HART
- Communication Output: RS 485

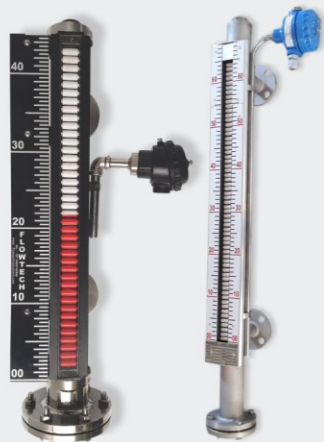
LEVEL GAUGES



TUBULAR LEVEL INDICATOR

Simple and reliable device for direct reading in atmospheric or below 5kg/cm² Pressurised tank.

- Bolted gland with teflon packing ensures positive leak tightness for full vacuum as well as 10 Kg/cm² pressure
- Available in Aluminium, Acrylic, SS Linearly calibrated scale
- MOC : MS, SS-304, SS-316, P.P., Alluminium, MS with P.P. / P.V.D.F. / FEP / PTFE / Lead lined
- Offset constructed isolation valve on request
- Max. 2000 mm length single piece
- Available in High / Low switch on request



SIDE MOUNTED MAGNETIC LEVEL INDICATOR

- Reliable for aggressive, combustible, toxic, high pressure and high temperature (upto 150°C) liquid storage tanks
- Suitable for Ethylene, Benzene, Toluene, Alcohols, Acids, Alkalies, Liquified gases like NH₃, Cl₂, LPG, PCI₃, SO₃ and poisonous / toxic liquid like DMA, TEA etc
- High and low level switching can be offered in Weather / Flame Proof housing on request.
- Jacketed on request
- Available length upto 5 Mtrs
- Available in SS 316 / SS 304 / Poly Propylene & SS with PTFE Lined
- Available along with Level Transmitter



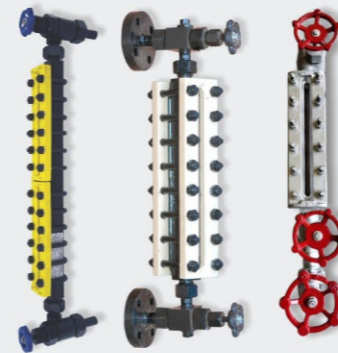
TOP MOUNTED MAGNETIC LEVEL INDICATOR

- A float moves inside the tank and a permanent magnet coupled with this float moves externally in a SS pipe. Bi colour P.V.C. capsule follower magnet indicates level externally
- Can offer simple non-magnetic where P.V.C. Bicolour capsule is directly mounted on float which moves in Glass Tube externally
- Level transmitter in Weather Proof / Flame Proof available on request
- Bicolour roller / Flapper option available
- High & low level switch on request



MAGNETIC DEEP GAUGE

- Suitable for EO, LPG, VCM, Anhydrous ammonia etc.
- A magnetic float of 8" dia moves over 1"NB SS.316 Pipe Sch 40
- For checking the level just take out the aluminum engraved strip (marked in CM/Inch) slowly from the pipe and it will stop at one place due to powerful magnetise float. At this point reading showing outside the gauge is the liquid level of the tank
- End Connection: Flanged 1.5" and above or 1.5" NPT and above
- Available Length : Up to 3 mtr.



REFLEX / TRANSPARENT LEVEL GAUGE (IBR GAUGES)

- In reflex level gauge, the glass has precision groves cut inner side and mainly used for colourless liquids
- In transparent level gauge, the glasses are without groves and arranged at the front and rear of a slotted liquid chamber and mainly used for coloured liquids
- Designed upto 100 bar & temperature maximum 400C°
- Available in MS/SS-304/SS-316/PP/MS with FEP/PFA lined
- Mainly used for ammonia, solvent solution
- Max. 3000 mm length in single piece & frost free arrangement on request
- Available in IBR also



FLOAT & BOARD TYPE LEVEL INDICATOR

- A large Self Centered Float follows the liquid level in this gauge. A rope fitted with a float moves over a pair of dust free pulleys. Level is indicated by a Pointer which moves on a 150 mm width Aluminium Powder Coated Scale
- Mainly used for storage tanks of Oil, Fire / DM Water, Alkalies, Acids, Furnace Oils, Lube Oil, Vegetable Oil, Molasses, Glucose etc
- Vapour Seals (Magnetic) for special applications like HCl, N₂ purged tank, diluted alkalies, dilute HNO₃, NH₃, Methanol, Benzene, Toluene, IPA etc
- In vapour seal there is sealing liquids so we get absolute vapour tightness
- Available in completely polypropylene material for diluted acid storage tank

■ PRESSURE TRANSMITTERS



SMART PRESSURE TRANSMITTER

- Highly accurate pressure measurement for liquid and gas applications
- Accuracy: 0.25% (0.075% FSD Optional)
- Range: -0.9 to 100 Bar
- Sensor MOC: SS 304/ SS 316/ SS 316L/ Hastelloy-C
- Connection: Flange-End/ Threaded/ TC
- Output: 4-20mA/ 4-20mA+HART
- Communication Output: RS 485



DIFFERENTIAL PRESSURE TRANSMITTER

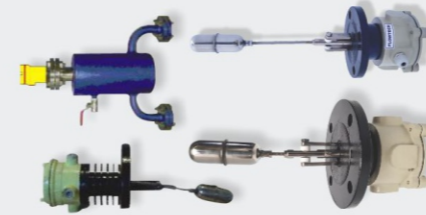
- Highly accurate pressure measurement for liquid and gas applications
- Accuracy: 0.25% (0.075% FSD Optional)
- Range: 0 to 20 KPa
- Sensor MOC: SS 304/ SS 316/ SS 316L/ Hastelloy-C
- Output: 4-20mA/ 4-20mA+HART
- Communication Output: RS 485
- 5-Way Manifold Valve and Flush Type also available



MINIATURE TYPE PRESSURE TRANSMITTER

- Accurate and Cost-Effective pressure measurement for liquids
- Accuracy: 0.25%
- Range: -0.9 to 100 Bar
- Sensor MOC: SS 304/ SS 316/ SS 316L/ Hastelloy-C
- Connection: Threaded. Output: 4-20mA
- Communication Output: RS 485. With Display on request.

■ LEVEL SWITCHES



SIDE MOUNTED

- To control dry pump running / Solenoid valve
- Minimum 50 NB flanged and above
- Weather Proof (IP-65) or Flame Proof to IIA, IIB as per CMRI, Dhanbad approved
- High Temperature (Max 350°) on request
- External cage on request



TOP MOUNTED

- Single, Bilevel and Multilevel sensing with potential free contacts
- Stem mounting : Stainless Steel
- Float : SS-316/PU Foam/Poly Propelene/BUNA-N
- Mounting: Flange, Threaded in MS/ SS or TC Joint
- Terminations : Cable / DIN Connectors / RTD Head / Weather Proof or Flame Proof Junction Box
- Suitable upto 90° C and length upto 2 Mtrs



DISPLACER TYPE

- Mounting : Min. 50 NB to 300 NB
- Ideal for Deep tank or Sump for low alarm
- Pressure : Vacuum to 15 Kg/Cm²
- Two displacers available for pump control
- Suitable for high temperature
- External cage on request
- For High Temperature (Max 350° C on request)



CONDUCTIVITY TYPE LEVEL SWITCHES

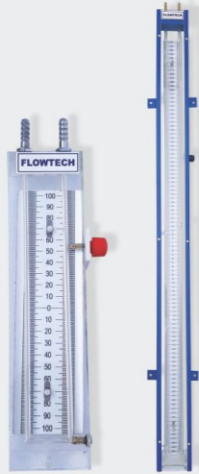
- Low cost with easy installation
- No calibration required
- Available upto 30 meters & temperature upto 200° C maximum



CABLE FLOAT SWITCH

- Low cost with easy installation
- No calibration required
- Available upto 3/5 mtrs & temp. upto 60° C maximum

MANOMETERS



U-TUBE MANOMETER (GLASS/ACRYLIC)

Used for precision measurement of Pressure and Differential Pressure.

- Zero adjustment scale
- Wall / Stand mounted



SINGLE LIMB (WELL TYPE) MANOMETER (GLASS/ACRYLIC)

Used for precision measurement of Pressure, Vacuum and Differential Pressure for flow and liquid level measurement.

- All wetted parts made from SS
- Zero adjustment scale
- Wall / Stand mounted



INCLINED MANOMETER

Used for precision measurement of Pressure and Differential Pressure.

- Zero adjustment scale
- Wall / Stand mounted

ANALYZERS



pH ANALYZERS

- Highly accurate pH measurement for liquids
- Accuracy: +/- 0.05 pH
- Range: 0-14 pH
- Sensor MOC: PP Housing with 3.3 M KCl Solution
- Connection: Threaded
- Output: 4-20mA
- Communication Output: RS 485



CONDUCTIVITY ANALYZERS

- Highly accurate conductivity measurement for liquids
- Accuracy: 1%
- Range: 0.1-1000 µs/cm
- Sensor MOC: 2-electrode Conductivity Sensor
- Connection: Threaded. Output: 4-20mA
- Communication Output: RS 485



CHLORINE ANALYZERS

- Highly accurate chlorine measurement for liquids
- Accuracy: 1%
- Range: 0 to 20 mg/L
- Sensor MOC: Double Platinum Ring/3 Electrodes
- Connection: Threaded
- Output: 4-20mA
- Communication Output: RS 485

SIGHT FLOW INDICATORS (SIGHT GLASSES)



DOUBLE WINDOW

- Size 15 NB to 600 NB
- Drip Tube / Rotating Blade / Flapper for special applications
- MOC: CS, SS-304, SS-316, MS with rubber / FEP / PFA / PP Lined
- Connections: Screwed / Flanged / Socket Weld / TC Joint
- Jacketed for special applications



FULL VIEW

- Size : 15 to 300 NB
- MOC: CS, SS-304, SS-316, PP.



TANK MOUNTED VIEW GLASS

- Size : 50 to 600 NB
- Round, Square & Rectangular Shape
- MOC : CS, SS-304, SS-316



SEPARATOR GLASS ASSY

- Suitable for viewing the level of two different density liquids at the bottom of the tank during removal of liquid.
- Suitable for temperature upto 100C°
 - Pressure upto 3 Kg/Cm²
 - Available in SS-316 / SS-304 / P.P. / P.T.F.E. lined construction

ULTRASONIC WATER METERS (RF BASED)

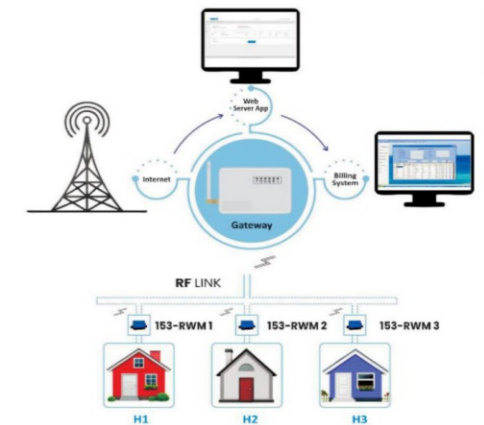


- Durable and reliable flow measurement for households
- Accuracy: +/- 1% FSD
- Range: DN 15 to DN 100
- Sensor MOC: SS 304/ PP/ SS 316/ Brass
- Connection: Threaded/ Flange-End
- Output 1: RF Based - LoRA
- Communication Output: RS 485

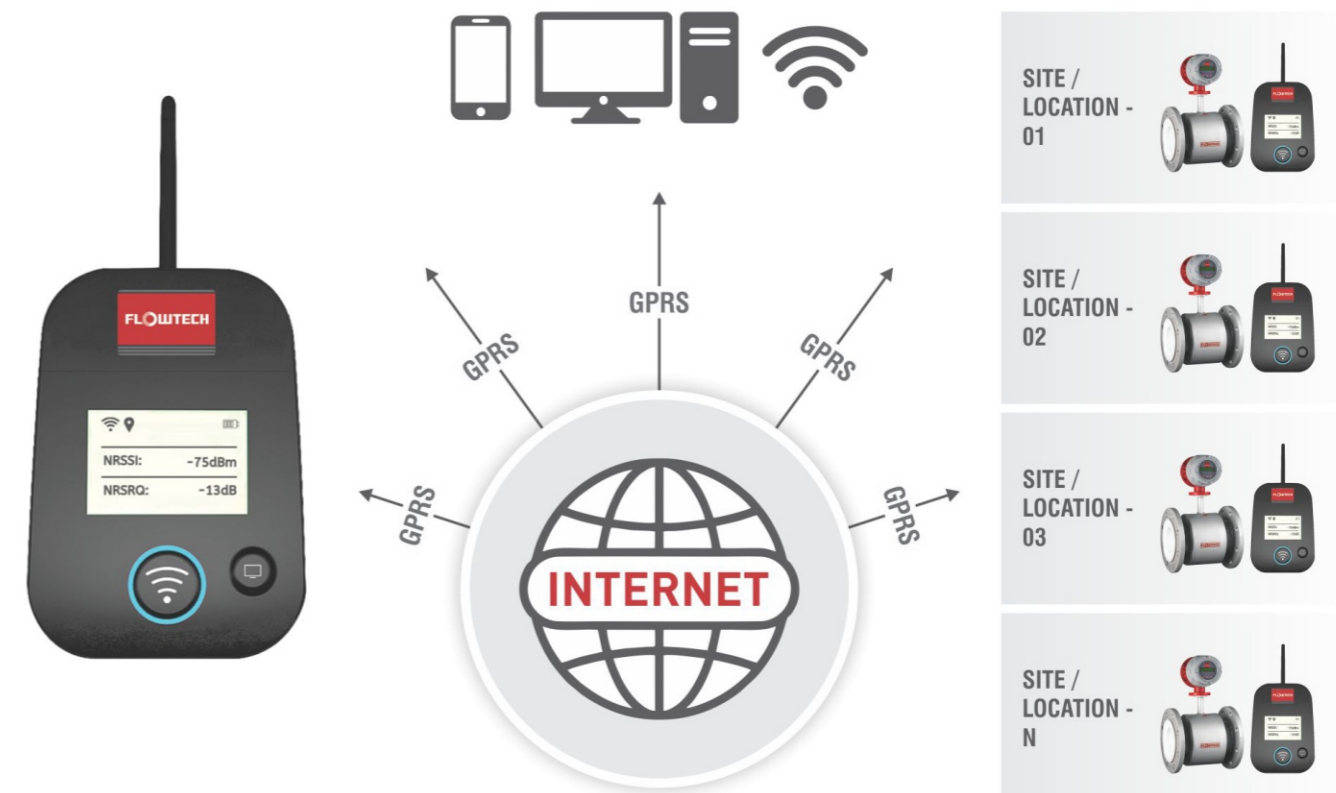
RF LINK - 1



RF INFRASTRUCTURE - 1



IOT BASED SOLUTIONS (SIM BASED)

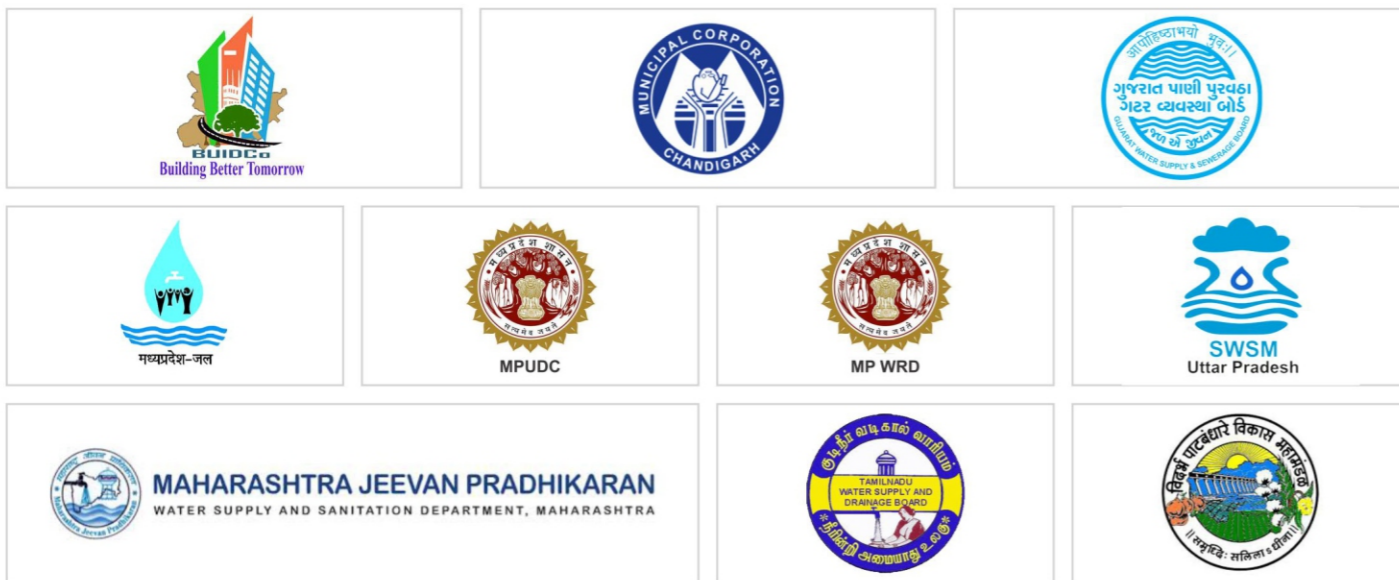


CERTIFICATIONS

PSUs Approval Certificates



Water Bodies Approval Certificates



Consultant Approvals



OUR VALUED CLIENTS

