



# ABOUT US

## S S Automation & Instrumentation Company

Precision • Performance • Trust

### Established

Manufacturer & Supplier of Process Instruments Since 2020 with in-house Testing & Calibration facilities

### Experience & Expertise

- 15+ years of industry experience
- Strong background in Steel, Power, Pharma, and other industries
- Master instruments calibrated at NABL-approved laboratories

### Our Products

- Flow Measurement Instruments
- Level Instruments
- Water Quality Analyzers And Display Units
- Other Process Control Instruments

### Why Choose Us

- Cost-effective & reliable solutions
- Technology-driven approach
- Transparent & ethical business practices
- Commitment to customer satisfaction

### Our Commitment

- Cost-effective, technology-driven solutions
- Optimum product selection for critical applications
- Transparency, integrity, and ethical practices in every project
- Focus on customer satisfaction & long-term trust

# Flow Measurement Solutions



## THERMAL MASS FLOWMETER

- Direct Mass or Volume Flow Measurement for gas and air.
- No Temperature or Pressure Compensation Required – built-in functionality.
- Wide Measuring Range – 0.5 Nm/s to 100 Nm/s (Air / Gas).
- Modular PCB Design – Easy maintenance and repair.
- High Rangeability – Wide flow range ratio.
- No Moving Parts .



## ELECTROMAGNETIC FLOW METER

- Operating Principle – Based on Faraday's Law of Electromagnetic Induction.
- Flexible Installation – Available with Integral or Remote Transmitter options.
- No Moving Parts
- Wide Range of Diameters – Suitable for a variety of pipe sizes.
- Minimum Conductivity Requirement – 5  $\mu\text{S}/\text{cm}$  for accurate measurement.
- Large Size Availability – Suitable for pipelines up to 2000 mm.



## TURBINE FLOW METER

- Line Size – 4 mm to 200 mm (suitable for liquids).
- Sanitary End Connections – Available for hygienic and pharmaceutical applications.
- High Pressure Models – Options up to 400 bar.
- Battery Operated Version – For remote or portable usage.
- Wide Measurement Ratio – 10:1 (Standard), 20:1 (Optional).
- Handles High Viscosity Media – Suitable for fluids up to 100 cP.



## DP BASED FLOWMETER

- Type – Available in Orifice Plate or Venturi design.
- Media Compatibility – Suitable for Liquid, Gas, and Steam applications.
- Accuracy –  $\pm 3-4\%$  of Full Scale.
- Material of Construction (MOC) – Options in SS304 / SS316L.
- Accessories – Additional accessories available on request.
- Certifications – IBR Approved (on request).
- Design Standards – Complies with BS-1042 / ISO:5167.

# FLOW MEASUREMENT SOLUTIONS



## PD FLOW METER

- Line Size – Available up to 100 mm.
- No Pipe Conditioning Required – Simple installation and operation.
- High Accuracy – Better than  $\pm 0.5\%$  of reading.
- Temperature Range – Standard model suitable up to 120 °C.
- Display Options – .
- Power Supply – 24 VDC.
- Material of Construction (MOC) – Aluminium or SS304.



## VOTEX FLOW METER

- Multi-Media Capability – Measures the flow of Gases, Liquids, and Vapors.
- Integrated Compensation – Built-in Temperature and Pressure sensors for accurate measurement.
- No Moving Parts – Ensures high reliability and low maintenance.
- High Temperature Option – Can be configured as a High-Temperature Flow Meter.
- Versatile End Connections – Available in Flange, Wafer, Thread, and Tri-Clamp options.



## ULTRASONIC FLOWMETER

- Accurate Flow Measurement based on the Transient Time Method.
- Clamp-On Type Sensor – No pipe cutting required, ensuring simple installation.
- Bi-Directional Flow Measurement for versatile applications.
- Wide Compatibility – Suitable for almost all types of clean pipes.
- Energy Measurement Capability when paired with a PT100 temperature transducer.
- Zero Pressure Drop during flow measurement.
- Handles Liquids with TSS < 5%, making it suitable for a variety of process fluids.



## MASS FLOW METER/ CONTROLLER

- Media : Gas.
- Power Supply : 24V DC / 230v Ac.
- Output : 0 to 5 V or 4 to 20mA / RS485.
- Accuracy : 1.5% of FS.
- Temperature : Upto 65 °C.
- Pressure : Consult Factory.
- Connection : 6mm Ferrule Connection available.

# LEVEL MEASUREMENT SOLUTIONS



## RADAR LEVEL TRANSMITTER

- Type: Guided Wave/High Frequency.
- Media: Liquid/Corrosive Liquid/ Solid Powder.
- Range: models available from 10meter to 80meters.
- Version: Cable, Rod, Horn, Water Drop Type.
- Accuracy: (+/-) 1mm to 4mm.
- Temperature: -40 to 130 °C.
- Frequency Range: 100MHz ...1.8GHz.
- Protection: IP67 / Ex proof.
- Output: 4 to 20mA / HART.



## ULTRASONIC LEVEL TRANSMITTER

- Wiring Options – Available in 2-Wire or 3-Wire configurations, with Integral or Remote transmitter options.
- Measuring Range – 1 to 30 meters.
- Output Options – 4–20 mA, RS485, HART, or Relay.
- Material of Construction (MOC) – ABS or Cast Iron.
- Power Supply – 24 V DC.
- Display Options – LCD, LED, or No Display.
- Protection – IP65 or Explosion-Proof (Ex-Proof) versions available.

# WATER QUALITY ANALYZER



- PH METERS
- CONDUCTIVITY
- CHEMICAL OXYGEN DEMAND (COD)
- DISSOLVED OXYGEN (DO)
- TURBIDITY
- CHLORINE
- AMMONIA

# DISPLAY SOLUTIONS



- TOUCH SCREEN DISPLAY
- JUMBO DISPLAY
- INTELLIGENT FLOW
- PROCESS INDICATOR
- FLOW INDICATOR AND TOTALIZER

# OTHER PROCESS INSTRUMENTS SOLUTION



## DIFFERENTIAL PRESSURE TRANSMITTER

- Range : Confirm at the time of order.
- Output : 4 to 20mA/ 0 – 5 V/ RS485.
- Accuracy : 0.5%.
- Power Supply : 24 V DC.
- Operating Temperature : -40 to 80 °C.
- Sensor : SS316L.
- Display : With or Without.
- Protection : IP 65 / Ex Proof.
- Housing : Model Cast Aluminum.



## PROXIMITY SENSOR

- Sensor Type – Inductive / Magnetic.
- Sensing Range – 1 mm to 50 mm.
- Accuracy – ±5%.
- Operating Temperature – -40 °C to 100 °C.
- Protection – IP67 for dust and water resistance.
- Output Options – PNP or NPN.
- Applications
  - Position detection in industrial automation
  - Material handling systems



## THERMAL FLOW SWITCH/SENSOR

- Sensor Type – Calorimetric / Thermal Dispersion.
- Power Supply – 24 V DC.
- Output Options – 4–20 mA, PNP, NPN, or Relay.
- Medium Temperature – -20 °C to 80 °C.
- Sensor Material – SS316L for durability and corrosion resistance.
- Protection – IP65 / IP67, suitable for harsh environments.
- Applications
  - Gas or liquid flow detection
  - Level monitoring in tanks or pipelines
  - Industrial process control
  - Chemical, pharmaceutical, and Food industries.



## PADDLE WHEEL FLOWMETER

- Setting Range – 0.5 to 5 m/s (for liquids).
- Power Supply – 24 V DC / 230 V AC.
- Response Time – 1 second.
- Output Options – 4–20 mA or RS485.
- Medium Temperature – -20 °C to 120 °C.
- Material of Construction (MOC) – SS or PP.
- Protection – IP65, suitable for industrial environments.

# OTHER SERVICES



## CUSTOMIZED SOLUTION

After understanding the requirement/ application of the customer, we give all kind of instruments solution with Testing/ Installation & Conditioning. We can also provide Customized solution for Online Monitoring System.

## CALIBRATION / AMC

We can do On / Off site calibration of almost all kind of Process Instruments products through our Master Meters calibrated @ NABL Certified Lab.



## OUR CLIENTS



AND MANY MORE.....

## CONTACTS US

### S S Automation & Instrumentation Company

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WE UNDERSTAND FLOW