

Managing key solutions to integrate
TECHNOLOGY & SERVICES



Product Overview

Reliable partner for your instrumentation needs



MSME
MICRO, SMALL & MEDIUM ENTERPRISES
सूक्ष्म, लघु एवं मध्यम उद्यम
OUR STRENGTH • हमारी शक्ति

Ministry of MSME, Govt. of India



Foundation

Established in 2002 by two first generation technocrats with the vision of “Managing Technology & Services” **MTS**



Head Office

Operating from a 9500 sq. ft. office in Ahmedabad, Gujarat.



Qualified Team

The company employees over 50 qualified professionals across Sales, Marketing, Admin, and Service departments, working together to drive the business forward.



Expertise

Known as “**PROVEN FLOW MEASUREMENT EXPERTS**” in the Process & Analytical Industries, the company has built a reputation for excellence and reliability in their field.



Sales Reach

With a robust sales team, the company has a strong presence across Pan-India, serving clients nationwide.



Certificates

ISO 9001:2015 Certified and MSME Registered



Vision Statement

To be a preferred solutions partner in creating clean, green & energy efficient world.

Mission Statement

Transforming lives with innovative ideas



As a technology developer of Insertion Thermal Mass Flow Meters, LEOMI has a manufacturing facility at Gandhinagar - Gujarat meeting German technology standards that allows us to meet the needs of the industrial applications.

Insertion Thermal Mass Flow Meter

Features

- Wide measuring ranges allow the detection of leakage & increases in consumption
- Measuring mass flow rate independent of pressure and temperature variation
- High accuracy throughout temperature ranges up to 400°C
- Programmable pipe diameters from 15mm to 10000mm
- Probes with $\varnothing=12\text{mm}$ & Length up-to 2000 mm available
- Circular, Square, Rectangular and other ducts mounting possible
- Integration in data network with different data converters possible
- In-built standard gas database for selection
- In-built terminal software with gas volume, gas mixture & insertion depth calculators

Applications

- Primary and secondary combustion air measurement
- Natural gas, Welding gas monitoring & Compressed Air Consumption recording & monitoring
- Aeration Air monitoring in vitalizing basin in wastewater (sewage) treatment plant
- Flue gas stack emissions monitoring



LEOMI-586

INSERTION THERMAL MASS FLOW METER



HALAR Coated



PFA Coated



SS 316Ti / Hastelloy C276
without Safety Head



SS 316Ti with
Safety Head

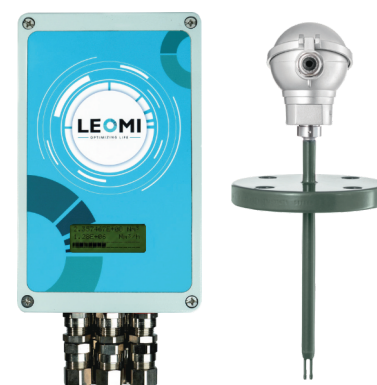
Actual Volume/Mass Flow Meter

Features

- Measuring actual mass/volume flow rate
- Suitable to 15mm to 10000mm pipe size
- Probes with $\varnothing=12\text{mm}/20\text{mm}$ & Length up to 2000mm available
- Better accuracy $<\pm 2\%$ RD of actual mass flow rate
- Up to 4 user selectable analogue input such as pressure, temperature, power or RH% etc
- Turndown ratio 100:1 or better
- Accurate measurement over temperature ranges upto 400° C
- In-built data storage with USB 2.0 in cvs format for input parameters
- In-built auto purging system for sensor cleaning
- Ideal for customized flow control application with PC software

Applications

- Waste-to-energy gas - Landfill, Compressed Biogas (CBG) Plant.
- Ventilation air in HVAC for nuclear power & process industries.
- Chemical process corrosive gas vent monitoring
- Zero flare gas monitoring in Oil extraction & refinery plants



LEOMI-587

ACTUAL MASS/VOLUME FLOW METER

Inline Thermal Mass Flowmeter

Features

- Available meter Size 1/2" (DN 15) to 6" (DN150) upto 14000 Nm³/hr flowrate
- Air/Gas Mass flow meter independent of pressure and temperature variation
- Wide turn down ratio 100:1 (allows leak detection)
- Highest accuracy in it's class $\pm 3\%$ RD
- Sensor design suitable for moist gases & air
- Easy sensor cleaning
- Inline rugged Aluminium or stainless steel body
- I/O Plug-n-play connector

Applications

- Compressed Air Consumption recording & monitoring
- Nitrogen gas, Welding gas, CO₂, O₂, Natural gas and Bio gas flow measurements
- Boiler and Burner flow measurement



LEOMI-581

INLINE THERMAL MASS FLOW METER



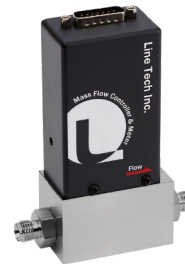
Line Tech Co. Ltd. – A South Korean company specializing in Mass Flow Controllers (MFC) and Mass Flow Meters (MFM), delivering reliable and innovative flow control solutions for industrial applications.

Analogue Mass Flow Controller & Meter

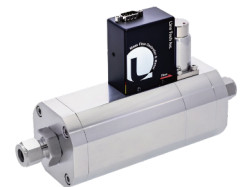
The Line Tech Analogue Mass Flow Controllers and Mass Flow Meters are designed for accurate and reliable gas flow measurement across a wide range of industrial applications.

Features

- Wide Flow Range from 0.01 slpm to 5000 slpm (N₂) for diverse gas flow applications
- High Accuracy up to $\pm 1\%$ / $\pm 2\%$ FS with $\pm 0.25\%$ repeatability
- Fast Response Time <2 sec for precise flow monitoring and control
- 0–5Vdc / 4–20mA outputs with +15V to +24Vdc power support
- Reliable operation up to 90 bar and 0–50°C working conditions
- Compact, corrosion-resistant and long-term stable industrial design
- Robust Industrial Construction with corrosion-resistant design and removable sensor technology
- Safe for Hazardous Environments with Ex ec IIC T4 Gc Certification and IP65 Protection Grade
- Accurate Low Flow Measurement with excellent sensitivity and repeatability
- Fast Response Performance with superior linearity and long-term stability



Analogue Mass Flow Meter



Analogue Mass Flow Controller



Ex-Proof Mass Flow Meter & Controller

Digital Mass Flow Controller

The Line Tech Digital Mass Flow Controllers and Mass Flow Meters are engineered for precise and reliable gas flow measurement in demanding industrial applications.

Features

- Wide Flow Range from 0.01 slpm to 5000 slpm (N₂) for precise gas flow applications
- High Accuracy up to $\pm 0.25\%$ / $\pm 1\%$ FS with excellent repeatability of $\pm 0.25\%$
- Ultra-Fast Response Time <1 sec for accurate monitoring and flow control
- RS-485 Communication, 0–5Vdc / 4–20mA outputs and +15V to +24Vdc power support
- Reliable operation up to 90 bar and 0–50°C working conditions
- Compact, stable and long-term reliable design for industrial process applications

Electronic Pressure Controller & Meter

Line Tech's Electronic Pressure Controller provides precise and reliable gas pressure regulation with high accuracy, fast response and advanced communication capabilities for industrial, laboratory and automation applications.

Features

- Precise Pressure Control with accuracy up to 0.5% FS and repeatability of 0.25%
- Fast Response Performance for stable and accurate pressure regulation
- Wide Control Range from 2% to 100% of full scale
- Flexible Connectivity with 0–5Vdc / 4–20mA outputs and RS-485 / Modbus RTU communication
- Reliable Industrial Operation with operating pressure up to 6 bar(A) and temperature range 0–50°C
- OLED Display Interface for easy monitoring and parameter configuration
- Robust Construction with excellent linearity, long-term stability and ultra-low leak rate
- **Read Out Box:** MFC/MFM Compatible with Real-Time Flow Display, Flow Control and RS485/RS232 Communication.



Digital Mass Flow Meter



MEMS Tech Mass Flow Controller

Applications for MFC & EPC

- Analytical & Laboratory Systems
- Biotech, Pharmaceutical, Chemical & Petrochemical Industries
- Semiconductor, Solar & Advanced Manufacturing
- Gas Flow Monitoring, Blending & Distribution Networks
- Furnace, Burner & Surface Treatment Control Systems
- Industrial Process Automation, Leak Detection & Gas Analysis Applications



Electronic Pressure Controller



Read Out Box



Fluido Sense Pvt Ltd – Indian based company offers precision-engineered flow measurement solutions designed for industrial applications, providing accurate and reliable instruments for diverse process environments.

Oval Gear Flow Meter

Fluido Oval Gear Flow meters are the instruments, invented based on the positive displacement principle considering accuracy and precision as the core of their performance. These volumetric flow meters are best used in industries like oil and petroleum, chemicals, pharmaceuticals, general manufacturing industries where high level of accuracy and repeatability are required.

Features

- Available in various sizes ranging from DN4 (4mm) to DN80 (80mm)
- Wide Flow Range: 0.7 to 50,000 LPH across multiple meter configurations
- Aluminium & SS316 Construction for robust and long-lasting industrial performance
- Rotor Material Options: Aluminium, Stainless Steel and Polyphenylene Sulfide (PPS) available
- Wide Pressure Capability with Aluminium meters up to 25 bar and SS316 meters up to 200 bar
- Flexible Integration Support with pulse, analog and communication output options

Applications

- Batching of solvents such as Toluene, Benzene, Xylene etc
- Blending of various oils in proportion
- Liquid Packaging Automations
- Petroleum Products, Oil Products, Chemicals, Grease, Fuels, Pastes, etc.



Oval Gear Flow Meter
FLOW RANGE
0.7 LPH TO 50000 LPH

Electromagnetic Flow Meter

Fluido's magnetic flow meters deliver accurate, low-cost measurement with no moving parts, ensuring minimal wear and maintenance. Available in various liners, electrodes, and sizes, they suit a wide range of conductive liquids across industries.

Features

- DN 15 - DN 600 nominal diameter range for versatile industrial applications
- Electrode MOC: SS316L, Hastelloy C, Titanium & Tantalum options available
- Liner Options: PTFE (-20°C to 150°C, 15–300 NB) & Hard Rubber (-10°C to 80°C, 50–600 NB)
- Pressure, temperature, density & viscosity independent measurement with 0.1–15 m/s velocity range
- Maintenance-free design with no moving parts, built-in grounding electrodes and epoxy-coated aluminium transmitter
- Advanced features: High accuracy, bi-directional flow, self-diagnosis, alarms and wireless/data communication support

Applications

- Ground water wireless flow monitoring for CGWA norms
- Potable water, Raw water, Chilled & Boiler Feed Hot water flow Measurement
- Effluent and sewage water flow measurements
- Various chemical and conductive liquids flow monitoring etc



Electromagnetic Flow Meter
DIAMETER RANGE
DN 15 TO DN 600

Flow Totalizer And Universal Batch Controller

Fluido offers versatile Flow Indicating Totalizers & Batch Controllers compatible with various flow meters and ideal for integration with SCADA/DCS systems. Widely used across pharmaceutical, chemical, petroleum, and OEM sectors, they ensure precise flow monitoring and reliable process control.

Specifications

- Display: High Contrast Backlight LCD Display
- Interface: User friendly menu based
- Transmitter Supply: 12VDC I 24 VDC
- Data communication: RS 485 Modbus RTU, SCADA, GPRS
- Power Supply: 230 VAC & 24 VDC / 50 Hz
- Input: Pulse frequency, analogue (4-20mA), Temperature (PT-100)
- Display Variable: Flow rate, total, Pressure, temperature
- Output: Pulse (re transmission), Relay on flow rate & Total (3 Amp 230VAC & 6 Amp 24 VDC), 4-20 mA



Flow Totalizer And Universal
Batch Controller



Flomec - USA provides quality turbine flowmeters, Oval gear flowmeters, turf irrigation flow sensors and other liquid flowmeters for: process chemicals, water, fuels, & oils, dairy and beverage, and many other industrial fluids.

Oval Gear Flowmeter

Features

- Size available from 4 mm (1/8") to 100 mm (4")
- High Accuracy $\pm 0.5\%$ of RD and Repeatability
- True Volumetric measurement Measure low and high viscosity liquids
- Optional mechanical & electronic totaliser, flowrate & batchers available
- ATEX/ PESO Certifications for hazardous area versions in all sizes
- No need for flow conditioning (straight pipe run etc.)
- Flanged and hygienic process connections available

Applications

- Fuels such as Diesel, Furnace Oil, LDO, Crude Oil etc
- Extremely viscous lubricants such as grease, oils etc
- Non-Conductive solvents such as alcohols, xylene, toluene, ethanol etc



OM SERIES OVAL
GEAR METERS
FLOWRANGE (1-40 L/min)



OM SERIES MECHANICAL
FLOWMETER
FLOWRANGE (1 - 40L/min)

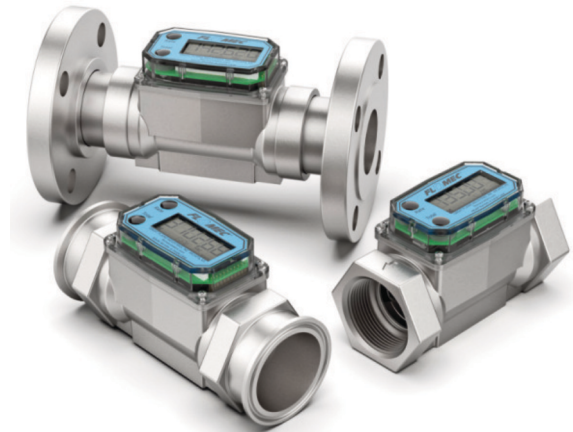
Precision Turbine Meters

Features

- Flow range from 1 to 200 GPM (3.8–760 LPM)
- Available in 1/2" to 2" line sizes
- Accuracy up to $\pm 0.75\%$ of reading
- Repeatability up to $\pm 0.1\%$
- Operating temperature -40°C to +121°C (PVDF: -28°C to +82°C)
- Suitable for thin fluids up to 100 cP
- 316 SS, Aluminum & PVDF body options
- PVDF Rotor with Tungsten Carbide Shaft
- IP65, ATEX, IECEx & FM approved options
- Modular electronics with 2-year battery life
- Factory calibrated with optional NIST Traceable certification

Applications

- Batching and Blending
- Food & Beverage Processing | Fuel & Water Products
- Monitoring Clean and Industrial Fluids
- Plant Process Water | Plating Solutions | Ammonium
- Chemical Feed Lines | Harsh Chemicals (Sulfuric Acid & Bleach)



G2 SERIES (PRECISION TURBINE METERS)
LINESIZE FROM 0.5" to 2"

Insertion Paddle Wheel Flowmeter

Features

- Pipe sizes from 1.5" to 100" (40–2500 mm)
- Flow velocity range 3–33 ft/s (1–10 m/s)
- $\pm 1.5\%$ reading accuracy
- 316SS body and rotor shaft construction
- Durable PVDF paddle material
- Operating temperature -40°F to 300°F (-40°C to 150°C)
- IP68 (NEMA 6) submersible construction
- Intrinsically Safe / IECEx & ATEX options available
- Suitable for Hot Tap installations
- Quadrature pulse output for bi-directional flow

Applications

- HVAC
- Irrigation | Fire Systems
- Hot and Cold Water | Waste Water
- Water Distribution (Management and Treatment)
- Boiler Feed Water | Hydrant Flow Testing



(DP SERIES) INSERTION
PADDLE WHEEL FLOW METER
LINE SIZE FROM 1.5" to 100"



Katronic - UK's excellent reputation has been built on offering accurate and intuitive clamp-on flow meters supported by market-leading customer service and technical support.

Non-Contact Ultrasonic Hand-Held Clamp-On Flowmeter

Features

- Lightweight and tactile for easy one-handed use
- Stainless steel sensors, cable and connectors as standard
- Pipe diameter range 10 mm to 6,500 mm
- Temperature range for sensors -30°C to +250°C (-22°F to +482°F)
- Robust IP 65 enclosure with added rubber shock protector
- Selectable three-line LCD display and full keypad
- Battery life up to 24 hours with standard NiMH AA batteries for simple replacement

Applications

- Pump testing and inspection, Testing of heating circuit, Balancing of heat exchangers
- Measurement of sterile fluids in pharmaceutical
- Clean in process (CIP) system testing & Measurement of raw ingredients and finished product in food production
- Water and Wastewater industry
- Monitoring of hydraulic systems
- Leakage and blockage detection



**KATflow 200 Hand-Held
Clamp-On Ultrasonic
Flowmeter**
TEMPERATURE RANGE
30 °C TO +250 °C



**KATflow 230 Flexible
Clamp-On Ultrasonic
Flowmeter**
TEMPERATURE RANGE
30 °C to +250 °C

Advanced Clamp-On Ultrasonic Flowmeter

Features

- Dual flow monitoring with sum, average, difference and maximum calculations
- Process outputs including current, open-collector, relay
- Communication options RS 485, Modbus RTU and HART* compatible output
- Current inputs for temperature, pressure and density compensation
- Pipe diameter range 10 mm to 6,500 mm
- Temperature range for sensors -30 °C to +250 °C (-22 °F to +482 °F), higher temperatures available on request

Applications

- Cooling systems on injection moulding machines and Measurement of paint flows in Manufacturing and Process
- Replacement of large bore electromagnetic flowmeters
- Measurement of furnace cooling flows
- Fuel and oil consumption measurements



**KATflow 150 Advanced
Clamp-On Ultrasonic
Flowmeter**
TEMPERATURE RANGE
30 °C to +250 °C



**KATflow 100 Standard
Clamp-On Ultrasonic
Flow Transmitter**
TEMPERATURE RANGE
30 °C to +80 °C

Clamp-On Ultrasonic Flowmeter For Hazardous Areas

Features

- Dual flow monitoring with sum, average, difference and maximum calculations
- IP 68 stainless steel sensors as standard
- Optional current inputs for pressure, temperature and density compensation
- Pipe diameter range 10 mm to 3,000 mm
- Temperature range for sensors -50°C to +115°C (-58°F to +239°F)
- Process output options current, open-collector, relay
- Ex-certified Pt 100 probe for temperature compensation

Applications

- Coiled tubing systems & produced water measurements
- Measurement of corrosive or toxic chemicals
- Marine and Shipbuilding Industry
- Effluent measurement in hazardous areas



**KATflow 170
Explosion-Proof Clamp-On
Ultrasonic Flowmeter**
TEMPERATURE RANGE
50 °C to +115 °C

Differential Pressure based flow metering system

We supply customised Primary Elements



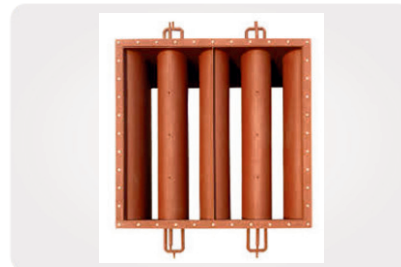
VENTURY



ORIFICE



AVERAGING PITOT TUBE



AEROFOIL

Specification

- Differential Pressure, Pressure & Temperature Measurement
- Flow Element such as Orifice Plate / Integral Orifice / Nozzle / Averaging Pitot Tube
- Design Standard as per BS-1042 / IS-5167
- Orifice Flange Assembly in CS/MS/ SS / (IBR / Non-IBR)
- Higher pressure ratings up to 60 bar possible
- High temperature up to 600° C possible
- 1: 4 Turn Down Ratio
- $\pm 3\%$ of the system reading Accuracy

Features

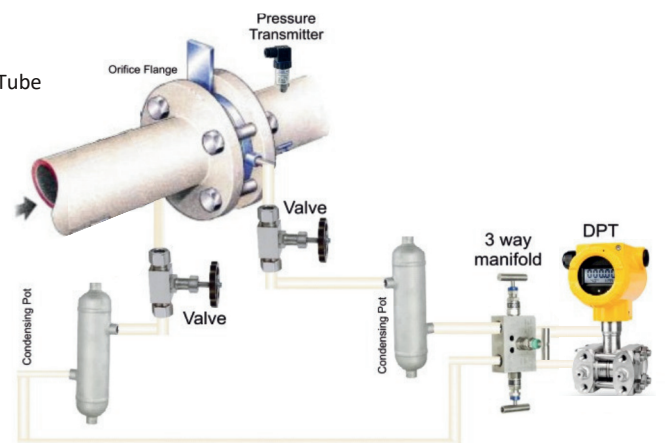
- It provides simple & cost-effective solution
- Proven Mass Flow integrator for density compensation available
- Excellent repeatability
- Rugged design best for harsh environments

Applications

- Thermic fluid, Fuel oils, Chemicals, Steam condensate & Process water in various industries
- Steam, Natural gas, LPG, Bio gas, Compressed air etc in various industries
- Combustion air, Waste gas & Land fill gas etc.

Different MOCs available such as

SS304 , SS316 , SS 316 L, Hastelloy C276, Monel etc. can be given on request.



DIFFERENTIAL PRESSURE BASED FLOW METERING SYSTEM
Designed Standard as per BS-1042/IS-5167



Aplisens - Poland develops, manufactures and markets components designed exclusively for the measurement of pressure, flow, level, temperature

Smart Pressure Transmitter

Features

- 4...20 mA, 0...20 mA or 0...5 mA output signal + HART 5 / HART 7 protocol
- SIL 2 certificate
- Display with backlight
- Accuracy 0,075% (0,05%, on request)
- Intrinsic safety certificate / Explosion proof certificate (ATEX, IECEx, FM, INMETRO)
- MID (Measuring Instruments Directive) – certificate acc. to 2004/22/WE directive and OIML R140:2007 recommendations.
- Wetted parts material 316L / Hastelloy C276 / Gold plated diaphragm (Au) / Nickel / Titanium / Tantalum / Monel / Teflon1)
- Programmable zero range, shift, characteristic and damping ratio with local panel keys



SMART PRESSURE TRANSMITTER
MEASURING RANGE 0...1000 bar



SMART PRESSURE TRANSMITTER
MEASURING RANGE 0...1380 bar

Smart Differential Pressure Transmitter

Features

- 4...20 mA output signal + HART 5 / HART 7 protocol (special version: 0...20 mA or 0...5 mA output signal + HART 5 protocol)
- Intrinsic safety certificate / Explosion proof certificate (ATEX, IECEx, FM, INMETRO)
- Accuracy 0,075% (0,05%, 0,04% on request)
- Wetted parts material 316L/Hastelloy C276
- Programmable zero range, shift, characteristic and damping ratio with local panel keys
- Static pressure limit up to 700bar



SMART DIFFERENTIAL PRESSURE TRANSMITTER
MEASURING RANGE 0...70 bar



SMART DIFFERENTIAL PRESSURE TRANSMITTER WITH DIAPHRAGM SEALS
MEASURING RANGE 0...70 bar

Smart Field Mounted Temperature Transmitter

Features

- Output signal 4...20mA with Hart protocol
- Galvanic insulation (In, Out)
- Programmable sensor type
- Programmable measuring range
- Thermo resistance line compensation
- Compensation of thermocouple cold junction
- Auto diagnostic system
- Intrinsic safety certificate (ATEX, IECEx)
- Explosion proof certificate (ATEX, IECEx)



SMART TEMPERATURE TRANSMITTER
INPUT SIGNAL : RTD, Thermocouple, Resistance, Voltage

Suitable For Different Application In Industries

- | | |
|------------------------------------|------------------------------|
| • Oil and Gas | • Chemical Industries |
| • Power plant and Heavy industries | • Sugar Industries |
| • Paper Industries | • Water treatment Industries |
| • Dairy and Food | |



RAIL-MOUNTED



HEAD-MOUNTED



Huba Control - Switzerland develops, manufactures and markets components designed exclusively for the measurement of pressure and flow - pressure switches, sensors and pressure transmitters.

Pressure Transmitter / Switch

Features

- Compact construction
- Automated manufacture in large quantities for ideal price / performance ratio
- Rugged ceramic sensor technology
- No mechanical creepage
- High resistance to extreme temperatures

Applications

- HVAC - Heat Pumps, Chiller, Drinking Water Systems
- Industry Hydraulics applications (e.g. Hydraulic Valves, Actuators, ...)
- Water treatment and Water Irrigation Systems
- Oxygen Distribution Network in Hospital
- Industry - Hydraulics (e.g. Hydraulic Valves, Actuators, ...)
- Food and Beverage processing applications



PRESSURE SENSOR
PRESSURE RANGE
-1 ... 1000 bar

Differential Pressure Transmitter / Switch

Features

- Robust construction, sensor element has no contact with media
- High over pressure safety margin, even in the lowest pressure range
- Rugged measured value detector, owing to outstanding synergy obtained by combining diaphragm technology with a ceramic element
- Easy to install and commission
- No maintenance required
- High Protection standard

Applications

- HVAC - Gas / Oil / Biomass Boilers, Furnaces and Burners applications
- Industry - Cooking Centers / Combi Steamer
- Air Handling Units
- Water - Reverse Osmosis / Disinfection / Filtration Units



DIFFERENTIAL PRESSURE TRANSMITTER
PRESSURE RANGE
5 ... 10000 mbar

Vortex Flow Sensor

Features

- Flow measuring with voltage, current, pulse or frequency output
- Temperature non-sensitive measuring principle
- Excellent media resistance (measuring element not in contact with the media)
- Available with temperature measurement
- Excellent EMC capacity by reinforcement on measuring cell
- Measuring element not sensitive to debris
- Direct temperature measurement in the medium
- Drinking water approval

Applications

- HVAC - Heat Pumps
- Fresh water station (Drinking Water) and Storage Water Tank
- Solar Heating / Cooling
- Building Automation - Heating / Cooling Water Distribution
- Industrial Cooling - Tooling Machines (Cutting, Injection Molding, ...)
- Liquids Filling / Dispensing Equipment (Bottling, Canning, Dosing, ...)



VORTEX FLOW SENSOR
PRESSURE RANGE
0.5 ... 240 l/min



Multisensor Systems is a developer and supplier of Water and Air Analyzers specializing in oil in water, hydrocarbon analyzers, oil in water detectors, THM Analyzers and Ammonia Analyzers based in the United Kingdom.

Online VOC / Oil In Water Monitor

Features

- Non-Contact Electronic Nose patented technology unaffected by turbidity, low maintenance, No reagents, and low recurring costs
- Measures both Polycyclic Aromatic Hydrocarbons (PAHS) and VOCS
- High sensitivity: ideal for potable water
- Can be calibrated for specific substances: used to monitor known spills
- Catches VOC chemical spills not just hydrocarbons
- Catches fluorescent and non-fluorescent compounds
- Alarms to SCADA and other communication interfaces

Applications

- Monitor water abstraction points such as raw river water, boreholes and reservoir water
- Detect VOC or Phenols contamination in industrial waste water effluent discharge
- Monitor drain and stormwater systems for flammable liquids
- Detect VOC breakthrough in carbon beds
- Pre-filtration monitoring for RO Membrane filter protection
- Oil detection in cooling, produced, and processed water

VOC In Gas Analyzer

Features

- Low operating and maintenance costs
- High reliability
- No reagents
- Field proven technology

Applications

- Monitoring of VOCs in gas streams
- Monitoring of drains and effluent discharges
- Detection of explosive gases
- Oil and Fuel Leak Detection
- Odour Control
- Land Remediation

Online Trihalomethane (THM) Monitor For Drinking Water

Features

- Online Total Trihalomethane(THM) Monitoring with ranges from 0 to 200ppb conc.
- **Field Proven Non-contact "e-Nose" Technology**
- Analyze THMs post treatment and in the distribution network
- Monitor THMs post-chlorination for enhanced process control
- High reliability
- No reagent

Applications

- Protection of the drinking water network
- Controlling THM reduction processes
- Regulatory compliance guidance

Industries

- Drinking Water & Waste Water
- Chemical & Petrochemical
- Beverages



Patented Electronic Nose with AI Integrated Technology which is not affected by Turbidity



MS-1200-S RANGE : 01-3000 ppb
MS1210-S RANGE : 0.1- 40 ppm
MS-1220-S RANGE : 01-200 ppm



MS4000-S
RANGE : 01-3000 ppm

MS-2000-S
RANGE : 05-200 ppb



Hobré Solutions – Global provider of advanced online analyzers and sampling systems, offering precise and reliable process measurement solutions for enhanced industrial performance and operational efficiency

CONTINUOUS CO DETECTION SYSTEM

BICOSYS / NICOSYS Continuous CO Detection System is an advanced safety solution for continuous monitoring of carbon monoxide levels in spray drying and powder processing applications. Designed for reliable early fire detection, it provides accurate CO measurement, intelligent alarm management and enhanced process safety with minimal maintenance requirements.

Features

- Industry-leading performance in applications with high and fluctuating background CO levels
- Unmatched reliability enabled by a unique dual-analyzer configuration available
- Complimentary Remote Health Checks (RHC) provided at 6 and 12 months
- Dynamic regulation of flow and CO alarm thresholds, customized based on client-specific process recipes
- Automated leak detection and flow testing for enhanced system integrity
- Remote accessibility for diagnostics, service, and technical support
- Integrated UPS (Uninterruptible Power Supply) for continuous and reliable operation

Applications

- Spray Dryers & Drying Process Systems for Skimmed Milk, Whole Milk, Coffee creamers, Infant formulas, Whey permeates, organic flavour, plant based products etc.
- Cyclones, Bag Filters & Exhaust Monitoring
- Food, Dairy & Powder Processing Industries
- Process Safety, Emission Monitoring & Quality Control Systems



BICOSYS



NICOSYS

CONTINUOUS CO AND MOISTURE DETECTION SYSTEM

HICOSYS Advanced / HICOSYS Aqua – Continuous CO & Moisture Detection System is an advanced monitoring solution designed for continuous measurement of carbon monoxide (CO) and moisture levels in spray drying processes. By combining accurate gas analysis with real-time moisture monitoring, the system enhances process safety, product quality and dryer efficiency while providing reliable operation in demanding industrial environments.

Features

- Continuous CO & H₂O Monitoring for spray drying and process safety applications
- Multi-Point Sampling Capability for accurate measurement across multiple process locations
- High Stability Analysis with reliable performance even under fluctuating process conditions
- CIP & ATEX Compatible Probes suitable for hygienic and hazardous environments
- Advanced Alarm, Event Logging & Remote Monitoring for enhanced process control and maintenance
- Flexible Installation Design suitable for all types of spray dryer configurations and process setups

Applications

- Spray Dryers & Drying Process Systems for Skimmed Milk, Whole Milk, Coffee creamers, Infant formulas, Whey permeates, organic flavour, plant based products etc.
- Cyclones, Bag Filters & Exhaust Monitoring
- Process Safety, Emission Monitoring & Quality Control Systems



HICOSYS Advanced



HICOSYS Aqua



Testo - Germany is a world market leader in design, development and manufacturing of portable and stationary measurement solutions since 55 years.

Thermal Imager

- Resolution: 320x240 pixels / Thermal sensitivity <50 mK at +30°C
- Measuring range: -20 to +100°C; 0 to +350°C / Upgradable to 550°C
- Movable cursor, two point measurement, isotherm function
- Inbuilt digital camera & Laser pointer



Air Velocity & IAQ Measuring Instrument

- Can measure °C, %RRH, CO, CO₂, m/s, lux
- Intuitive menu for important applications
- Universal probe handle with Bluetooth
- Memory recall on instrument for up to 7500 measurements



Portable Stack Emission / Fluegas Analyzer

- Measurement upto 4 gases out of O₂, CO, CO₂, NO, NO_x, SO_x in single instrument
- Gas dilution ratio for higher concentration
- Automatic flow-controlled gas pump modular gas sampling probes
- Internal data logging



Smart Probes

- For Pressure, Humidity, Air Velocity, DP, Temperature
- Measurement data analyzed and sent via Smart Probes App



Dewpoint Transmitter

- Absorption dryers of compressed air, medical compressed air and nitrogen gas
- Measures dewpoints in the range from -60° Ctd to +30° Ctd
- Auto self-adjustment



Cooking Oil Tester

- Ergonomic and robust design
- With temperature sensor along with TPM
- Clear alarms via backlit display
- HACCP certified



IR Thermometer

- Measuring range up to 1500° C
- 50:1 optics with 4 point laser marking
- Integrated emissivity table
- Integrated memory card USB data transfer
- Connection of external TC-probe
- Automatic detection of emissivity with the help of external probe
- Variant available with humidity measurement



Humidity & Temperature Data Logger

- Two Channel temperature and humidity data logger with internal & external sensor
- Memory capacity: 16000 readings
- Battery life: 3 years
- Transfer to a PC via testo USB interface / SD card / mini DIN USB



MTS SOLUTIONS division will be engaged in providing customized Solutions as per customer's application in various process Industries, mainly as below

Process Industries

- Chemical & Fine-chemical
- Water & Wastewater Treatment Plants
- Defence Research & Allied Industries

Primary Focus Areas

- Water Infrastructure Automation
- Research Process Automation

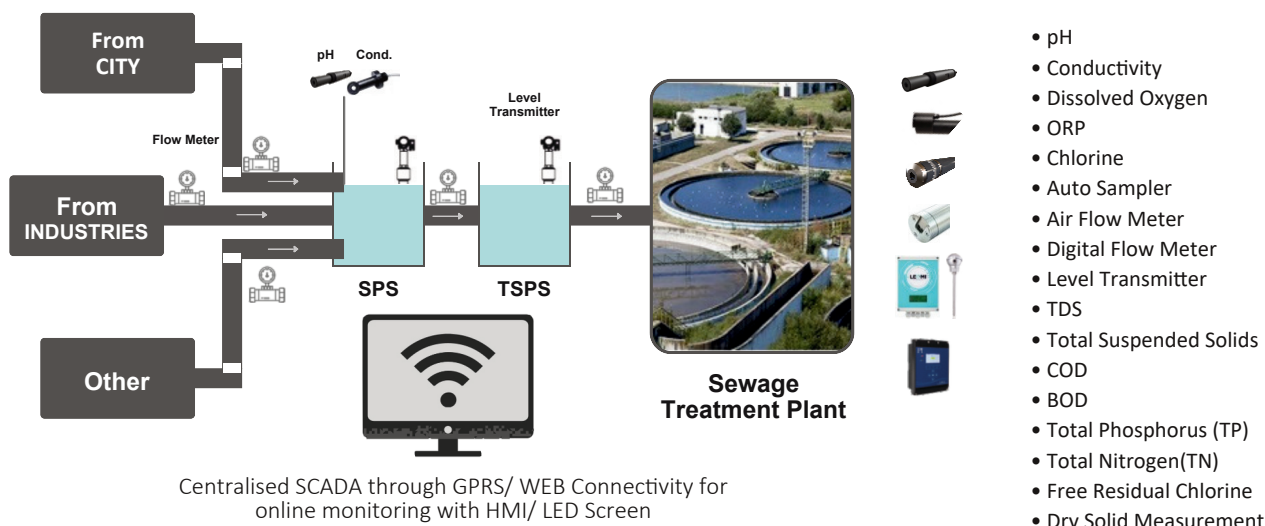
Our Scope

- Application Study
- Hardware selection (Process Instruments & Automation)
- Software development (PLC, HMI, IIOT)
- Control Panel Manufacturing
- Testing & Commissioning of the panel

Type Of Automations

- AC/DC drives for speed control of motors
- Sequential operations by PLC + HMI+SCADA
- Process control by use of PLC+ HMI+SCADA
- Process calculations by use of PLC+ HMI+SCADA
- Man machine interface / operator control using display & key pads.
- Connectivity to host computers
- Accurate speed and positioning controls with Servo Drives and Motors
- IIOT solutions

INDICATIVE INSTRUMENTS FOR WEB BASED ON LINE MONITORING SYSTEM FOR SPS/TPS/MPS AND STP



Due to industries expectation on improving productivity, process efficiency, preventive maintenance & report generation & analysis, MTS Solutions division involved in developing skills for Industry 4.0 automation as well. We are open to discuss your needs in this domain.

Industries We Serve



Power



Oil & Gas



Metals & Mining



Food & Pharmaceuticals



Textiles



Institutional & Q C Labs



Chemicals

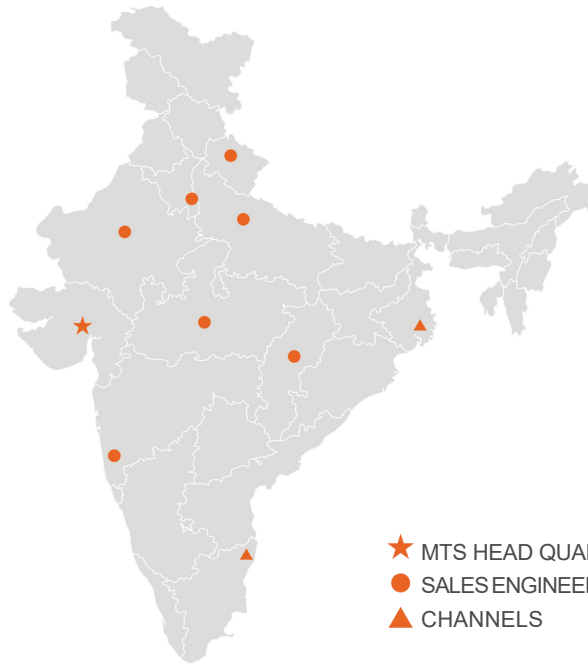
OUR PRESENCE & SALES TEAM

20+
YEARS OF EXPERTISE

50
EMPLOYEE STRENGTH

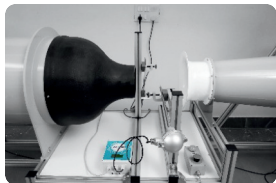
5
SERVICE ENGINEERS
PAN INDIA

10+
SALES ENGINEERS
PAN INDIA

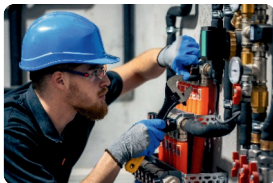


- ★ MTS HEAD QUARTERS
- SALES ENGINEERS
- ▲ CHANNELS

OUR VALUE ADDED SERVICES



IN HOUSE CALIBRATION



COMMISSIONING &
INSTALLATION



PAN INDIA SERVICE

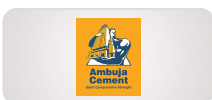


ANNUAL MAINTENANCE
CONTRACT



ON SITE SUPPORT

OUR ESTEEMED CUSTOMERS



Innovative Partners

