



# INDUSTRIAL AUTOMATION ENGINEERING SOLUTION

## PRODUCTS CATALOGUE



# Level & Flow Industrial Automation (OPC) Pvt. Ltd.

  IP-66 IP-68



# FLOW METERS

**LFIA**<sup>®</sup>  
Level & Flow Industrial Automation

LF-MF



## ELECTROMAGNETIC FLOW METER

- Display: Integral or Remote Type.
- MOC: CS / SS 304/SS 316.
- Electrode: SS316L / Tantalum / Hastalloy.
- Used in Waste Water / STP / ETP / MW / Raw Water / Bore well Water / Chemicals, etc.
- Connection: Flanged.
- Lining: PTFE / Hard Rubber.
- Output: 4-20mA, RS485 & HART (Optional)
- Optional: Battery operated also available.
- Line Size & Flow rate mention in our Catalogue.
- Temp: upto 80 deg. C or on request.
- Standard Pressure upto 16bar.
- Universal Power Supply (24V Dc & 220 V Ac)

LF-TF



## TURBINE FLOW METER

- Display: Integral or Remote Type.
- MOC: SS 304 / SS 316.
- Flow vanes for low rates.
- Tungsten Carbide rotor shaft bearing.
- Used in Clean Water / DM Water / Kerosene oil, etc.
- Connection: Flanged, Threaded, Tri Clamp, Union, etc.
- Output: 4-20mA, RS485 & HART (Optional).
- Optional: Battery operated also available.
- Line Size & Flow rate mention in our Catalogue.
- Temp: upto 80 deg. C or on request.
- Standard Pressure upto 16bar.
- Universal Power Supply (24V Dc & 220 V Ac).

LF-VF



## VORTEX FLOW METER

- Display: Integral or Remote Type
- MOC: SS 304 / SS 316
- Used in DM Water/Compressed Air / Gas / Steam
- Temp. & Pressure inbuilt sensor option also available
- Connection: Flanged
- Output: 4-20mA, RS485 (Optional)
- Line Size & Flow rate mention in our Catalogue
- Temp: upto 80 deg. C or on request.
- Standard Pressure upto 16bar.
- Universal Power Supply (24V Dc & 220 V Ac)

LF-OP



## OPEN CHANNEL FLOW METER

- Display: Remote Type
- No Moving Part / Non-Contact Type
- Used in open rivers, canals, power house collecting well, etc
- Range: Upto 15 m or contact in LFIA office.
- Temp: upto 80 deg. C or on request.
- Universal Power Supply (24V Dc & 220 V Ac)

LF-MCFM



## CORIOLIS MASS FLOW METER

- Direct Measurement of Mass Flow, Density & Temp. of medium
- Safe & reliable operation, free of on-site maintenance
- Display: Integral
- Measuring Tube: SS 304 / SS 316 / Tantalum
- Used in High Viscosity Liquid like Honey, Tar, Coal
- Connection: Flanged or Thread
- Output: 4-20mA, RS485 & HART (Optional)
- Line Size & Flow rate mention in our Catalogue
- Universal Power Supply (24V Dc & 220 V Ac)

LF-TMFM



## THERMAL MASS FLOW METER

- Measuring the mass flow or volume flow of various gas
- Do not need to do temperature and pressure compensation in principle with accurate measurement and easy operation.
- Wide range: 0.5Nm<sup>3</sup>/s ~ 100Nm<sup>3</sup>/s for gas.
- Good vibration resistance and long service life
- No moving parts and pressure sensor in transducer
- No vibration influence on the measurement accuracy
- Easy installation and maintenance
- Digital design, high accuracy and stability
- Configuring with RS-485 interface to realize factory automation and integration
- Line Size & Flow rate mention in our Catalogue
- Universal Power Supply (24V Dc & 220 V Ac)

LF-UF-C



## ULTRASONIC CLAMP ON FLOW METER

- Suitable for raw water, DM water, Clean Water
- Used in Various Pipe Like SS304 / SS316 / PP / CS.
- Display: Remote Type
- No Moving Part
- No Pipe Cutting Required
- Sensor : Clamped outside the pipe.
- Temp: upto 160 deg. C
- Size: 25 to 5000 mm
- Output: 4-20mA, RS485 (Optional)
- Universal Power Supply (24V Dc & 220 V Ac)

LF-UF-P



## ULTRASONIC HANDHELD FLOW METER

- Suitable for raw water, DM water, Clean Water
- Used in Various Pipe Like SS304 / SS316 / PP / CS.
- Display: Handheld
- Battery Operated, Chargeable device
- No Moving Part
- No Pipe Cutting Required
- Sensor : Clamped outside the pipe.
- Temp: upto 160 deg. C
- Size: 25 to 5000 mm

# FLOW METERS



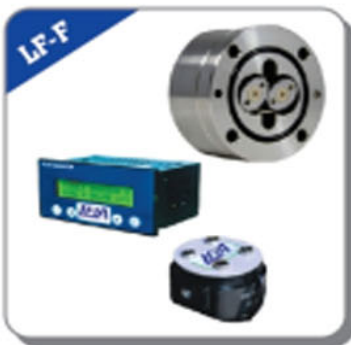
## DIESEL DIGITAL FLOW METER

- Display: Integral, MOC: Aluminum.
- Used in Diesel, Oil, Fuel, etc.
- Easy Maintenance, low Pressure drop.
- Connection: Threaded.
- Size: 25 or 40 or 50 mm.
- Battery Operated, No Power supply required.
- Line Size & Flow rate mention in our Catalogue.



## DIESEL MECHANICAL FLOW METER

- Display: Integral, MOC: Aluminum.
- Used in Diesel, Oil, Fuel, etc.
- Easy Maintenance, low Pressure drop.
- Connection: Threaded.
- Size: 25 or 40 or 50 mm.
- Mechanical Display, No Power supply required.
- Line Size & Flow rate mention in our Catalogue.



## FULL DG CONSUMPTION MONITORING SYSTEM

- Display: Remote, High Accuracy.
- MOC: Aluminum / SS 304 / SS 316.
- Max. Pressure up to 25 MPa for SS Body.
- Wide Range of Viscosity.
- Display Available in DC & AC Power Supply Options.
- High resolution of Display, Suitable for Low Flow rates.
- Connection: Threaded.
- Line Size & Flow rate mention in our Catalogue.
- Output: RS 485 (Optional).



## HYDRAULIC OIL FLOW METER

- Display: Remote, High Accuracy.
- MOC: Aluminum / SS 304 / SS 316.
- Used in High pressure Hydraulic Machines.
- Display Available in AC Power Supply.
- High resolution of Display, Suitable for Low Flow rates.
- Connection: Threaded.
- Line Size & Flow rate mention in our Catalogue.
- Remote display Available on Request.



## WOLTMAN WATER METER

- Removable Element Structure.
- Easy Installation & maintenance.
- Dry - Dial, Magnetic Drive.
- Size: DN 50 - 600 mm.
- High Quality Material, Mechanical type.
- Measuring the volume of cold (hot) water passing through the pipelines.
- Range standard can be choose.
- Working Pressure PN 16.
- Temp: upto 60 deg. C or on request.



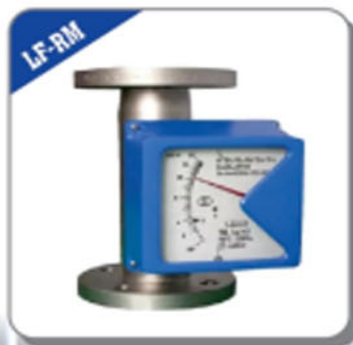
## MULTI-JET WATER METER

- Magnetic Drive, Lower transmission resistance.
- Sealed dry register ensures long time clear reading.
- Size: 15 - 50 mm, Cold / Hot Water.
- Reed Switch Optional.
- Thread: BSP.
- Used in residential Projects.



## PREPAID WATER METER

- Ultrasonic type, Brass body
- Used in residential Projects.
- Measuring of cold water through water pipe.
- GPRS / Lora Optional also available.
- Battery Operated, Real time Clock.
- Measuring of cold water through water pipe.
- Size: 15, 20 mm, Connection: Thread.



## METAL TUBE ROTA METER

- Display: Mechanical Pointer or Digital (Optional).
- Variable Area Water, Air, Gas, Solvent, Chemical, etc.
- MOC: SS 304 / SS 316 / Any Other.
- Used in Clean Water / DM Water / Solvent / Chemical etc.
- Output: 4-20mA (Optional), Mounting: Vertical.
- Line Size & Flow rate mention in our Catalogue.
- Temp: upto 80 deg. C or on request.
- Standard Pressure upto 16bar.



# LEVEL TRANSMITTERS

LFT1



## Hydrostatic Level Transmitter Submersible Level Transmitter

- LFT1 is a pressure sensor for hydrostatic level measurement.
- Drinking water, dam water, bore well, etc.
- Suitable for top mounting.
- Process temp. max. 70 deg. C.
- Process pressure max. 200 mBar.
- Suitable for sea water / corrosive liquids.
- Shielded cable with vent hose which is mechanically strong enough for deep submersible liquid level measurement.
- Industrial DC power supply: 24V Dc.
- No calibration required.
- Loop powered device 4-20mA / RS485 (Optional).
- Customized process connections like Threaded / Flanged / Hygienic, etc.
- Remote process indicator controller available on request.

LFT2  
LFT2-R



## Ultrasonic Level Transmitter

- Continuous, Non-Contact Level measurement for liquids, pastes in large tanks.
- Maximum measuring range up to 30m.
- Process Temperature 80 deg. C.
- Process Pressure max. 1 bar.
- Minimum Resolution 1mm, LCD Display.
- Simple Configuration parameters, without waiting for emptying containers.
- Die cast aluminum enclosure, Easy Configuration.
- Two wire 4-20mA, RS485 (Optional).
- Industrial Power Supply 24V Dc.

LFT3



## Magnetic Float Level Transmitter

- 4-20mA Output available with loop power.
- Resolution: A10-15 mm.
- Housing available with explosion proof.
- Measuring range: max. 6m.
- MOC: SS304 / SS316 / PP / PTFE.
- Power Supply 24V Dc.
- Customized process connections like Threaded / Flanged.
- Temp: upto 80 deg. C or on request.
- Standard Pressure upto 16bar.
- Fuel Oil Tank Control, Boiler feed water drum control, cooling tower / Lubrication / Cooling / filtration systems / paint shops, etc.

LFT4



## Capacitance Level Transmitter

- Free Flowing, homogeneous liquids like oil, raw water, DM water, etc.
- Suitable for top Mounting.
- Process temp. up to max. 200 deg. C.
- Process pressure upto max. 15 bar.
- Suitable for corrosive liquids.
- Rod / Flexible rope Versions.
- Universal Power Supply (24V Dc & 220 V Ac).
- Customized process connections like Threaded / Flanged.

LFIAR



## Radar Level Transmitter

- Continuous, Non-Contact Level measurement for liquids & Solids in large tanks.
- Various Antennas MOC as per process requirement.
- Maximum measuring range up to 70m.
- Process Temperature -30 to 200 deg. C.
- Process Pressure max. 16 bar.
- Minimum Resolution 1mm, LCD Display.
- Simple Configuration parameters, without waiting for emptying containers.
- Die cast aluminum enclosure.
- Two wire 4-20mA, RS485 (Optional).
- Industrial Power Supply 24V Dc.

LFT5



## Displacer Level Transmitter

- Used in Boiler, Drum Level, Foaming Tanks.
- Smart LCD Display.
- Customization Size as per client required.
- Mounting: Side or Top.
- Easy Installation.
- Wetted Part: SS 304 / 316.
- Cage MOC: CS.
- Used in HIGH temp & pressure also.
- Connection: Flange / Threaded.
- Output: 4-20mA, RS485 & HART (Optional).

LFT6



## Side Mounted Level Transmitter

- Smart LCD Display.
- Sensor working on liquid pressure.
- Suitable for storage tanks / process tanks.
- Used in high viscosity also.
- Mounting: Side bottom of the tanks.
- Output: 4-20mA, RS485 & HART (Optional).
- Temp: upto 80 deg. C or on request.
- Universal Power Supply (24V Dc & 220 V Ac).

LFT6C



## By-Pass Level Transmitter

- Visible Level changes are shown in color flapper.
- Continuous Level Indication.
- Suitable for High Temp & pressure also.
- Rugged, Life Long, Good Visibility.
- MOC: MS / SS 304 / SS 316 / PP.
- Connection: Threaded / Flange / Tri Clamp, etc.
- 4-20mA Output available with loop power.
- Relay Output Also Available on Request.

# LEVEL SWITCHES



LFS1



## CABLE FLOAT LEVEL SWITCH

- Float material available with plastic.
- Suitable for raw water / STP / ETP / Firefighting Tanks.
- Micro switch, reed switch.
- Simple installation and durable.
- Shape : Square.
- Universal Power Supply (24V Dc & 220 V Ac).
- Process temperature max. 60 deg.C

LFS2



## SIDE MOUNTED LEVEL SWITCH

- Max. Operating temperature: 300 deg. C
- Wetted parts available with stainless steel & plastic.
- Housing available with explosion proof.
- Customized connections like Threaded / Flanged.
- Universal Power Supply (24V Dc & 220 V Ac).

LFS3



## MAGNETIC FLOAT LEVEL SWITCH

- Fuel Oil Tank Control, Boiler feed water drum control, cooling tower.
- Lubrication / Cooling / filtration systems / paint shops / water, etc.
- Suitable for both top / side mounting.
- Process temp. up to 120 deg. C
- Process Pressure max. 15 bar.
- Reliable & low cost.
- Customized connections like Threaded / Flanged.
- Single / multi point switching.
- Available with external chamber.

LFS4



## VIBRATION FORK LEVEL SWITCH

- Free Flowing Powder, granules, liquid viscosity up to 30000Cp.
- Suitable for side as well as top mounting.
- Minimum & maximum fall safe field selectable.
- Process temp. Max 150 deg.C
- Process pressure max. 15 bar.
- Low power consumption, No calibration required.
- Customized process connections like Threaded / Flanged / Hygienic, etc.
- Remote electronic versions avail on request.
- Universal Power Supply (24V Dc & 220 V Ac).

LFS5



## DISPLACER LEVEL SWITCH

- Displacer Adjustable Type.
- MOC: SS 304 / SS 316.
- Connection: Threaded / Flange, etc.
- Maximum Three Displacer used.
- Optional: Cooling model for high Temp.
- Used in Water STP, Foaming, Oils, Storage Tanks, Juices, etc.
- Easy installation.
- Temp: upto 80 deg. C or on request.
- Standard Pressure upto 16bar.
- Universal Power Supply (24V Dc & 220 V Ac).
- Customized connections like Threaded / Flanged.

LFS6



## RF-CAPACITANCE / ADMITTANCE LEVEL SWITCH

- Suitable for all non-sticky liquids & solids.
- Suitable for side as well as top mounting.
- Process pressure max. 15 bar.
- PTFE coated for corrosive & conductive liquids.
- Customized process connections like Threaded / Flanged.
- Universal Power Supply (24V Dc & 220 V Ac).

LFS-MI



## MICROWAVE / INTELLIGENT LEVEL SWITCH

- Compact simple design with high reliability, and low price.
- Different mounting options.
- Different connection types.
- Water fountain, machinery, electrical, chemical, marine, test instrument, food machinery, washer, air condition, hydraulic machine.
- Temp: upto 80 deg. C or on request.
- Standard Pressure upto 10bar.
- Power Supply : 24V Dc.
- Connections : Threaded.

LFR-20



## ROTATING PADDLE LEVEL SWITCH

- Suitable for free flowing powders & granules.
- Suitable for side as well as top mounting.
- Process temperature max 200 deg.C
- Process pressure max. 3 bar.
- Various shape fins option available for different bulk density material.
- Industrial Power Supply 24V Dc / 220 V Ac.



# LEVEL SWITCHES

LFS-C



## CONDUCTIVITY LEVEL SWITCH

- Suitable for conductive liquids like water.
- Single Point / multiple points also available.
- Process temp. max 200 deg.C
- Process Pressure max. 10 bar
- No calibration required.
- Customized process connections like Threaded / Flanged.

LF-MM



## MINI MAGNETIC LEVEL SWITCH

- Flexible Type, Level Adjustable
- Used in Clean Water, Raw Water, DM Water
- Fire Fighting & Flushing Tanks, Overhead & UG Tanks
- Very Easy Installation
- Very Economic & Reliable Product
- Float & magnetic Type
- Controller also available on client request

LF-RO



## RO LEVEL SWITCH

- Used in Reverse Osmosis
- MOC: PP
- Connection: Nut Type
- Light Weight / SPST
- With Wire

LFS-M



## MINIATURE LEVEL SWITCH

- Compact simple design with high reliability, and low price
- Different mounting options
- Different connection types
- Application: water fountain, machinery, electrical, chemical, marine, test instrument, food machinery, washer, air condition, hydraulic machine

# MECHANICAL LEVEL INDICATOR

LFGI



## TUBULAR / GLASS TUBE LEVEL GAUGE

- Application: Water Tanks / Diesel Tanks / Chemical tanks.
- Continuous Level Indication without power supply.
- Light in Weight & Economical.
- MOC: MS / SS 304 / SS 316 / PP.
- Connection: Threaded / Flange / Tri Clamp, etc.
- Process temp. up to 80 deg. C
- Process Pressure max. 15 bar.

LFMBC



## MAGNETIC LEVEL GAUGE

- Visible Level changes are shown in color flapper.
- Continuous Level Indication without power supply.
- Suitable for High Temp & pressure also.
- Rugged, Life Long, Good Visibility.
- MOC: MS / SS 304 / SS 316 / PP.
- Connection: Threaded / Flange / Tri Clamp, etc.
- Process temp. up to 150 deg. C
- Process Pressure max. 15 bar.

LFGI-R



## REFLEX LEVEL GAUGE

- Suitable for High temp & Pressure.
- Continuous Level Indication without power supply.
- Used in Boilers & Hot Drum Tanks.
- Rugged, Life Long.
- MOC: MS / SS 304 / SS 316.
- Connection: Threaded / Flange.
- Process temp. up to 200 deg. C
- Process Pressure max. 30 bar.

LFFC



## FLOAT & BOARD LEVEL INDICATOR

- Suitable for Overhead / Underground / Large Storage Tanks.
- Continuous Level Indication without power supply.
- Range: 1 to 15 mtr.
- Rugged, Life Long.
- Wetted Part: SS 304 / SS 316 / PP.



# LEVEL CONTROLLER & DIGITAL INDICATOR



## 2 POINT LEVEL INDICATOR WITH CONTROLLER

- 2 Point Level Indicator with Controller.
- Instant Start available.
- Display Indication: Power On, Pump On & 4 Point Level.
- Dry Run Protection (Optional).
- Wall Mounted, Industrial Heavy Duty.
- Supply: 220V Ac.
- 1 No. SPDT Relay for Pump or Valve Controlling.



## 4 POINT LEVEL INDICATOR WITH CONTROLLER

- 4 Point Level Indicator with Controller.
- Instant Start available.
- Inbuilt Buzzer & Buzzer Reset Button.
- Display Indication: Power On, Pump On & 4 Point Level.
- Dry Run Protection (Optional).
- Wall Mounted, Industrial Heavy Duty.
- Supply: 220V Ac.
- 1 No. SPDT Relay for Pump or Valve Controlling.



## DIGITAL PROCESS INDICATOR

- Microprocessor based powerful & highly reliable controller.
- 4 Digit Display, Segment LED.
- Universal Input RTD, PT100, Temp., Pressure & Level transmitter.
- Size: 48 x 96 or 96 x 96.
- Panel Mounted, Supply: 220 VAc.
- Relay Output: 2 or 4 Nos. (Optional).
- Retransmission: 4-20ma (Optional).



## FLOW TOTALIZER INDICATOR

- Flow Rate & Totalizer Display.
- Universal Input - 4-20mA or 0-10V.
- Size: 96 x 96, Panel Mounted.
- Supply: 220 V Ac.
- Flameproof Housing-Fit (Optional).
- Relay Output: 2 or 4 Nos. (Optional).
- Retransmission: 4-20ma (Optional).

# TEMP. & PRESSURE TRANSMITTER



## COMPACT PRESSURE TRANSMITTER

- Process control systems.
- Refrigeration / HVAC / Hydraulic Systems.
- Mechanical & Plant Engineering.
- Pump & compressors.
- Hygienic application for food and pharma.
- Measuring range from 100mbar to 600 bar.
- Stainless steel construction.
- Output: 4-20mA.
- Supply: 24V Dc.



## SMART PRESSURE TRANSMITTER DIFFERENTIAL PRESSURE TRANSMITTER

- Process control systems.
- Refrigeration / HVAC / Hydraulic Systems.
- Mechanical & Plant Engineering, Pump & compressors.
- Hygienic application for food and pharma.
- Measuring range from 100mbar to 600 bar.
- LCD Display, Die Cast Aluminum.
- Explosion proof housing also available on request.
- Output: 4-20mA / RS485 (optional)
- Supply: 24V Dc.



## RTD, PT100, THERMOCOUPLE TEMPERATURE SENSOR

- Pipe Line, Storage tank, Hydraulic machine.
- Chemical, Automobile, Food & beverages, etc.
- Mechanical & Plant Engineering.
- RTD, PT-100, Thermocouple.
- Probe length as per client required.
- Simplex / Duplex, Die Cast Aluminum (Optional).
- Explosion proof housing also available on request.
- Output: RTD ohms / 4-20mA.
- Connection: 1/2" / 3/8" BSP, NPT / Flanged.
- Supply: 24V Dc.



## TEMPERATURE TRANSMITTER / SMART LCD TRANSMITTER

- Pipe Line, Storage tank, Hydraulic machine.
- Chemical, Automobile, Food & beverages, etc.
- Mechanical & Plant Engineering.
- LCD Display, Die Cast Aluminum.
- Probe length as per client required.
- Explosion proof housing also available on request.
- Output: 4-20mA / RS485 (optional).
- Connection: 1/2" / 3/8" BSP, NPT / Flanged.
- Supply: 24V Dc.



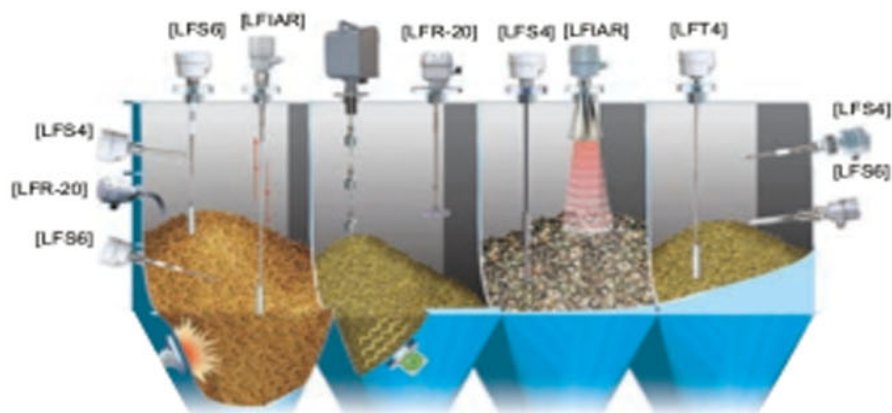
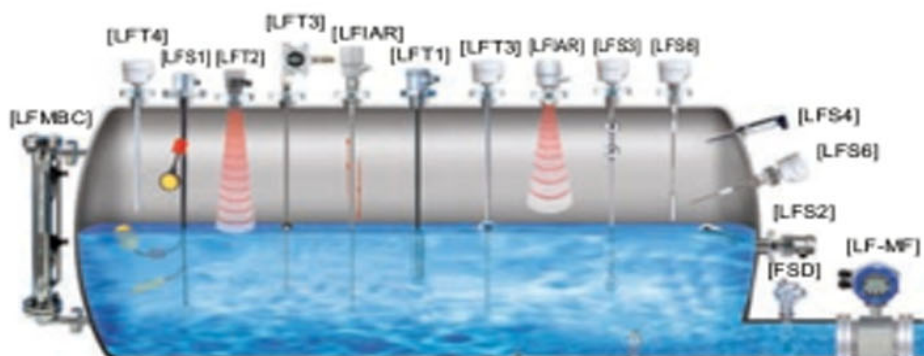


We deals in all types of Online Monitoring Systems also like Flow Monitoring, Telemetry System, Piezometers (for Ground WaterLevel Monitoring) Stack Monitoring, Hemera Brand COD, BOD, TSS, Ph Water Analyzer Deals in PLC, HMI, GPRS & Wireless Systems also, etc



## DEVICES INSTALL ILLUSTRATION

- [LFS3] Mini Float/Magnetic Float Level Switch
- [LFT3] Magnetic Float Level Transmitter
- [LFS2] Side Mounting Float Switch
- [LFS1] Cable Float Level Switch
- [FSD] Flow Switch
- [LFR-20] Rotary Paddle Level Switch
- [LFS6] Capacitance Level Switch
- [LFT1] Hydrostatic / Pressure Level Transmitter
- [LFS4] Vibrating Probe Level Switch
- [LFS4] Tuning Fork Level Switch
- [LFT4] RF-Capacitance Level Transmitter
- [LFS6] RF-Capacitance / Admittance Level Switch
- [LFT3] Magnetic float Level Transmitter
- [LFMBC] By-Pass Level Transmitter
- [LF-MF] Flowmeter
- [LFIAR] Radar Level Transmitter



We are Exporting to :



Level & Flow Industrial Automation (OPC) Pvt. Ltd.

First Floor, Space No-4B, DSIDC WORK Centre,  
Jawalapuri, New Delhi - 110087

+91-9990423266, +91-8448557369, +91-9990422266

levelflowinfo@gmail.com, sales@levelandflow.in

www.levelnflow.com, www.buyflowmeters.com, www.lfia.in

Authorised Distributor: