



- **Manufacturer & Exporter of
Flow, Level, Pressure &
Temperature Measuring
Instruments**



NRG 
Global Instruments



GLASS TUBE ROTAMETER

- Used for rated flow measurement of Water, Liquid, Gas & Air
- Wetted Parts in M.S. 304, S.S. 316, Polypropylene, PTEE Lined
- Flange End, Screwed, Hose Nipple Connection
- Process Connection from 1" to 4" NB Pipe Size
- Flow Range 20 LPH to 20000 LPH 1 Accuracy of + 2% F.S.D.
- Flow Alarm as per your request (Proximity Switch)



METAL TUBE (MAGNETIC) ROTAMETER

- Used for rated flow measurement of Water, Liquid (Opaque) Gas, Air & Steam under critical Operating Condition.
- Wetted Parts in S.S. 304, S.S. 316, Polypropylene
- Process Connection from 1/2" NB to 4" NB Pipe Size
- Flow Alarm as per your request (Proximity Switch)
- Digital and 4-20 mA output as per your request.



ACRYLIC BODY ROTAMETER

- Used for rated flow measurement of Water, Liquid, Gs, Air, N₂, H₂ & O₂ etc.
- Wetted Parts in M.S., S.S. 304, S.S. 316, Polypropylene
- Flange End, Screwed, Hose Nipple Connection
- Process Connection 1/2" to 4" NB Pipe Size
- Low Flow Range to 50000 LPH 1 Accuracy of + 2 % F.S.D.
- Flow Control Valve on your request.



BYPASS ROTAMETER

- Available on large pipe Line Size of 1" NB to 14" NB
- Wetted parts in M.S., S.S. 304, S.S. 316, Polypropylene
- Wetted parts in M.S., S.S. 304, S.S. 316, Polypropylene across line Orifice Plate
- Flow Direction as per your request
- Flow Range 10000 to your request
- Accuracy of + 2% F.S.D.



ELECTRO MAGNETIC FLOW METER

- Digital Display & Reset facility
- Available on line Size of 1/2" NB to 14" NB
- Only conductive liquid
- Wetted parts in S.S. + Rubber Lined, S.S. + P.P Lined, S.S. + OTFE lined
- Flow Direction as per your requirement.
- Accuracy of + 1% F.S.D. (+0.5% on your request).



TURBINE FLOW METER

- Turbine flow meters measure the rate of flow in a pipe or process line via a rotor that spins as the media passes through its blades. Output : 4-20mA. Rs 485, relay output, line size..1/2" to 10" with flow rate & totalizer



WATER METER

- Hot Water & Cold Water Application
- Available on line size of 1/2" NB to 12" NB
- Multijet, Domestic and Industrial water meter
- High Sensitivity, Low Pressure loss
- Vacuum sealed register for clear reading in longer run
- Accuracy of + 1% F.S.D (0.5% +on your request)



ORIFICE PLATE FLANGE ASSEMBLY

- Available on Large Pipe Line Size of 1" NB to 24" NB
- Wetted Parts in M.S., S.S 304, S.S. 316 P.P. etc
- Orifice Bore Calculation as per ISO 5167 • Accuracy of +2% F.S.D.



SIGHT GLASS (SIGHT FLOW INDICATOR)

FULL VIEW TYPE

- Wetted parts in M.S., S.S 304, S.S. 316 Polypropylene, PTFE
- Size : 1/2" NB to 10" NB
- Allen Bolt Design / Check Nut Design

DOUBLE WINDOW SIGHT GLASS

- Wetted parts in M.S., S.S 304, S.S. 316 Polypropylene, PTFE Lined, M.S. + Rubber lined, etc 1 Size : 15 NB to 600 NB
- Process Connection: Flanged End Screwed, Socket Weld
- Drip Tube, Rotating Blade, Flapper on your request Jacketed on your request.



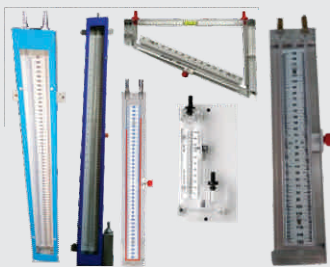
TANK MOUNTED VIEW GLASS

- Wetted Parts in M.S., S.S. 304, S.S 316, Polypropylene
- Capsule Shape, Round, Rectangular etc.



OIL LEVEL INDICATOR

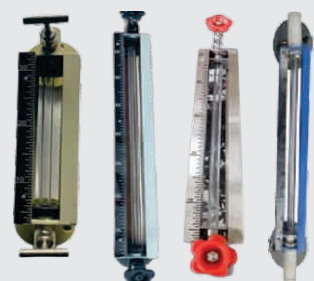
- The Oil Level Indicator (OLI) was developed in response to the need of maintenance professionals to gauge the oil level inside large tanks, gearboxes and reservoirs. The OLI is a clear high performance polyamide column with 1/2" NPT threads at each end / Brass/S.S. / Aluminium.



MANOMETER

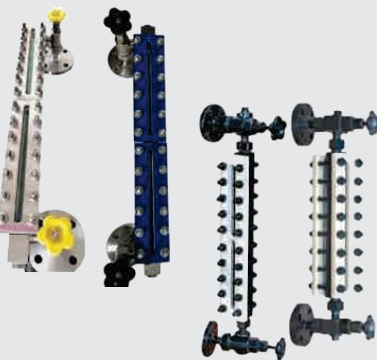
SINGLE LIMB / U TUBE / INCLINED

- Used for precision measurement of Pressure and Differential pressure for Flow & Level Measurement
- Adjustable scale for zero • Wetted Parts made from S.S. 316
- Glass Tube / Acrylic Body • Wall mounted / Stand
- Range in Glass Tube : 0.250 mm WC to 0 1000 mm WC
- Range in Acrylic Body : 0.100 mm WC to 0.500 mm WC



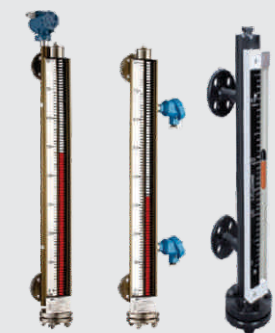
TUBULAR LEVEL INDICATOR

- Simple & easy installation and Direct reading in pressurized tank
- Wetted parts in M.S., S.S. 304, S.S. 316, Polypropylene, Aluminum
M.S. +PTFE, M.S. + P.P Lined, M.S. with rubber lined. • Hyd Test upto 10 Kg/ Cm²
- Isolation Valve & Drain Valve in request • Max 3000 mm Length in Single Piece
- Glass Protected Chanel available in M.S., S.S. 304, S.S. 316, FRP



REFLEX TRANSPARENT LEVEL INDICATOR

- Wetted Parts in M.S. S.S. 304, S.S. 316, Polypropylene, Aluminium.
- Available for High Temp & High Press Liquid Storage Tank in Fertilizer Petrochemicals, Pharmaceutical, Chemical Industries etc.
- Reflex Level Gauge Glasses precision Grooves cut inner side and mainly use for Colorless Liquid and High Temp & High Press.
- Isolation valve on request. • Imported Glass Klinger / illamdur make on request
- Max Length 3000 mm in Single Piece • IBR on your request.



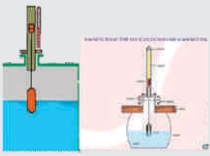
SIDE MOUNTED MAGNETIC LEVEL INDICATOR

- Magnetized Float Moves with Level in External Chamber and Magnetic Follower Capsule OR Roller OR Ball Indicates the Liquid Level Externally.
- Wetted Parts in S.S. 304, S.S. 316, Polypropylene, PTFE Lined
- Mainly use in Frunace oil, Benzene, Toluene, Ethylene, Alcohol, Acid, Liquid, Gases Like Nh₃, LPG, So₂, PLC₃ etc.
- High & Low Level Switch, Level Transmitter 4-20 mA, on request.
- Height upto 6 mtr.



ROTARY PADDLE LEVEL SWITCHES

- Bulk-solid materials such as powders, grains and granules with density of 0.1 kg/dm³.
- High or low level switching. • Fail-safe level switching.
- Process Connection; mounting plates or 1" , 1-1/2" BSPT.
- Output: SPDT Relay 250 V AC 10A, Ac1. Protection: IP67.



TOP MOUNTED MAGNETIC / NON-MAGNETIC LEVEL INDICATOR

- Mainly use for underground Tank and Horizontal Tank Suitable for Corrosive acids like Sulphuric, Nitrite, acetic acid & Solvent , Toluene, Benzene acetone etc.
- A Float moves inside the tank and a permanent magnet coupled with this float moves externally in a SS Pipe. Bi colour PVC Capsule or Roller follower magnet indicates Level externally.
- Available in simple Non magnetic where pvc bio colour capsule is directly munted on float moves in glass tube externally. Minimum flange require 4"



FLOAT AND BOARD LEVEL GAUGE

- Mainly use for Storage tank of Oil, f.D., Fire/Dm Water Tank Lube Oil, HCL Acid Alkanic etc.
- Vapor seal for Special application like HCL, N2 Pirgad Tank, Diluted alkalis etc.
- Suitable for Tail & Large Tank not pressurized and non hazardous chemical storage tank.
- A Large Self cantered Float follows the liquid level in this gauge.
- A rope Filtered with a float moves over a pair of dust free pulley.
- Level is indicated by a Pointer moves on a 150 mm width Aluminum Powder Coated Scale.
- Height 1 mtr to 25 mtr and other on request,
- Available in Polypropylene



MAGNETIC LEVEL TRANSMITTER

- A Simple construction of float and guide pipe made up Non magnetic materials. Magnetic Float Moved's with Level over guide inside the pipe change which is converts into 4-20Ma/ro 5V output.
- Wetted Parts : S.S. 316 / P/P/
- Max Temp : 100 Deg C Mounting Min :
- 50 NB Flange End Or Screwed
- Input of 24 VDC and Out 4 20 mA, with Digital Display in mm
Maximum Length : 3 MTr



TOP MOUNTED LEVEL SWITCH

- Magnetic Float Moving the protection Pipe tracking the level is activating the reed switch
- Single, Two and Multilevel Sending with Potential free contact.
- Stem : S.S. 316 / P/P/ Brass / Aluminium • Float : S.S. 316 / P/P/ PU Foam
- Mounting : Flange End, Tri Clover, Screwed
- Housing : Aluminium Die cast Flame Proof /
Weather Proof, DIN Connector RTD Head Cable.



SIDE MOUNTED LEVEL SWITCH

- Suitable for fitting into tank or process vessels for controlling liquid level for preventing tank overflow
- To control dry pump running • High Temperature on request
- Minimum 25 NB Flange to any size (Square Flange on request)
- Housing : Aluminum Die Cast weather proof, Flame Proof



MINI LEVEL SWITCH

- Use un restricted space • Easy Installation
- Wetted Parts in S.S. 316 / P.P. / Nylon / PU-foam
- L-Shape Available on request • Make as per your sample.



CONDUCTIVITY LEVEL SWITCH

- Conductivity Type Level Switches Mounting Options Top Mount.
- Material Stainless Steel, Polypropylene, Switch Housing Die Cast Aluminum, Weather Proof IP 65 (Enclosure) Operating Pressure Upto 10 Kg/Cm². Operating Temperature Maximum 130 Deg C. No of Rods Maximum 5 Rods.



CABLE FLOAT SWITCH

- Easy Installation
- Cable Length available in 3 Mtr to 5 Mtr.
- Max Temp : 70 Deg C
- Microswitch Having No-NV + c of 240 VAC



TOUGHENED GLASS

- Round & Recta Ngular (Any Shape)
- Reflex Gauge Glass • Transparent Gauge glass
- Cylindrical Glass • Gasket / MICA Sheet. Any other Size on your request



CAPACITANCE LEVEL TRANSMITTER

- Capacitance Level Transmitter is a low cost , High Accurate loop power 2 wire Transmitter having 4-20madc analogue ouput. • Calibration method and installation is easy. • No maintenance issue



VIBRATING FORK LEVEL SWITCH

- Vibrating level switches, a rod or a fork is set vibrating. When the vibrating probe comes into contact with the medium, the vibration changes and the vibrating level switch outputs a switching command. Vibrating level switches are used as overfill protection devices or low-level indicators in liquids as well as in granular and powdery bulk solids.



DISPLACER LEVEL SWITCH

- Displacer is suspended by a spring when liquid level up and covers the displacer.
- It becomes lighter and the spring relaxes, the cause a small upward movement of the switch, rod assembly inside the casing which activates the magnetically operated micro
- Suitable for High Temperature. Height upto 1 mtr to 20 mtr.



PRESSURE GAUGE

- Dial Size : 40,50,63,100,150 mm, 250 mm Range 0.....Vacumme to 700 Kg/Cm2 and above on your request. Connection : 1/8", 1/4", 3/8", 1/2" BSP Mounting : Bottom, Surface, Back Panel with hole and Bracket etc.



TEMPERATURE GAUGE

- Size : 40,50,63, 100, 150 mm Range : 50 to 0... tp 600 Deg C Connection 3/8", 1/2" BSP & NPT Bottom, Back Surface, Panel Wetted Parts : S.S. 304 & S.S., 316 Application : Petrochemicals, Chemical Industry, Plastic, Paper, Air Conditioning & Food & Beverage.



PRESSURE TRANSMITTER

- Range: Vacuum to 2000 Bar and Above Application HVAC systems, Refrigeration systems Industrial Process Instruments Hydraulic / Pneumatic Systems, Energy etc.



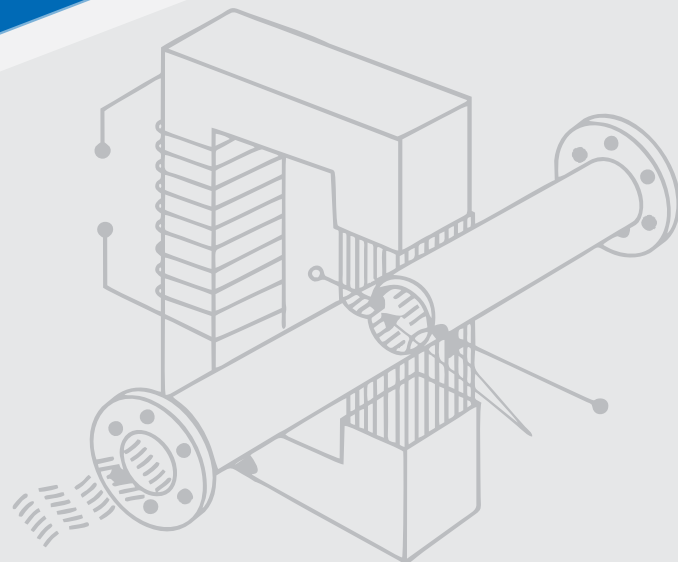
RTD THERMOWELL

- RTD's are temperature measuring sensors which use the resistance /temperature relationship of material to measure the temperature of a body. RTDs have higher accuracy and stability as compared to Thermocouples usually in the below 600 °C range.



DIAPHRAGM SEAL REPAIR & SERVICES

- NRG comprehensive Repair and Calibration Service for Pressure Transmitters with Diaphragm Seals. A repair can be a quick and a cost-effective option. Most repairs can be completed and returned to the customer within 7 to 10 business days. This can save on the long delivery times and frustration associated with buying a new replacement.



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📍 986/20/1 Diamond Park, G.I.D.C Makarpura, Vadodara - 390010 (Gujarat) India.

📞 +91 997 911 9649 / 909 902 9297 / 958 634 2659

✉ salesnrgglobal@gmail.com info@nrgglobalinstruments.com

🌐 www.levelgauge.co.in www.nrgglobalinstruments.com

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