

PS INSTRUMENTS

FLOW • LEVEL • MEASUREMENT

An ISO 9001:2015 Certified Company

**Engineered for Precision.
Built for Performance**



Side Mounted Level Indicator Flapper Type

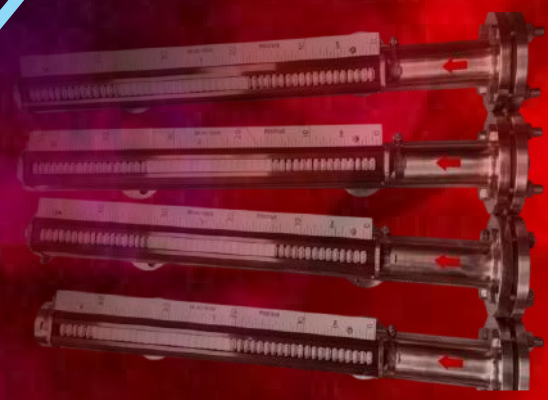
Side Mounted Level Indicator is installed outside of a vessel or tank. The liquid level in the tank can easily be observed from the change of the flag color. Optional devices of magnetic switch and level transducer can be added for electrical signal output and level transmitting.



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SIDE MOUNTED MAGNETIC LEVEL INDICATOR

We are the leading manufacturer, exporter and supplier of **Side Mounted Magnetic Level Indicator**.

Side Mounted Level Indicator is installed outside of a vessel or tank. The liquid level in the tank can easily be observed from the change of the flag color. Optional devices of magnetic switch and level transducer can be added for electrical signal output and level transmitting.

PRINCIPLE

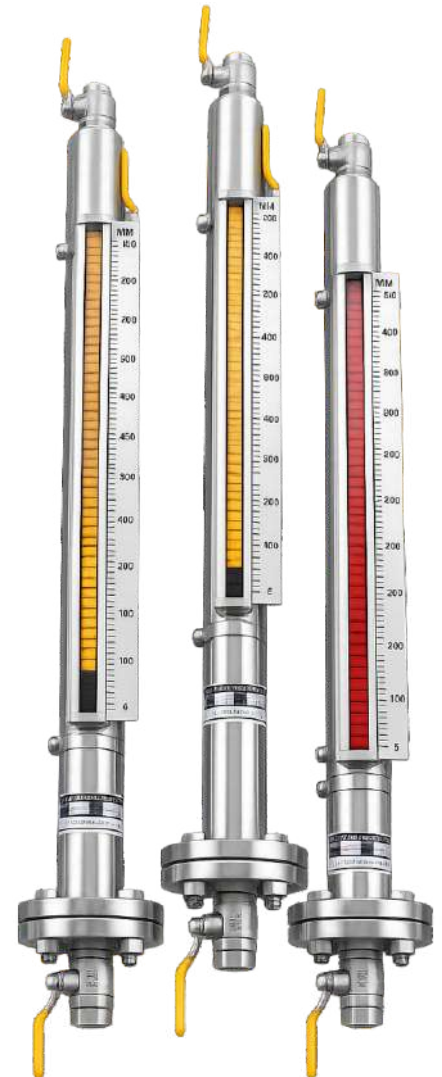
The Side Mounted Level Indicator utilizes hydrostatic principle to show the liquid level in the tank. A float with a magnet inside rises and drops according to the liquid level change. Magnetic flags will flip as float passes through to indicate liquid level based on magnetic attraction method.

SPECIFICATION

Connection	: Flanged ASA 150
Range	: Up to 500 to 5000 mm
Press Rating	: 20 Kg/cm ²
Temp. Rating	: 0°C to 200°C
Calibration	: cm / Inches
Material of P.P.	: S.S. 304/S.S.316(STD)Optional Wetted Parts
Flanges	: Minimum 1/2" To 6" ANSI 150 #

GENERAL DATA

Density	: from 0.70 g/cm ³
Precision for interface or density	: from ± 0.01 g/cm ³
Measuring Error	: ± 10 mm
Viscosity	: Max 1000mPas
Connection	: Weld End (Standard) / Flanges DIN and ANSI
Weight	: Basic 7 Kg

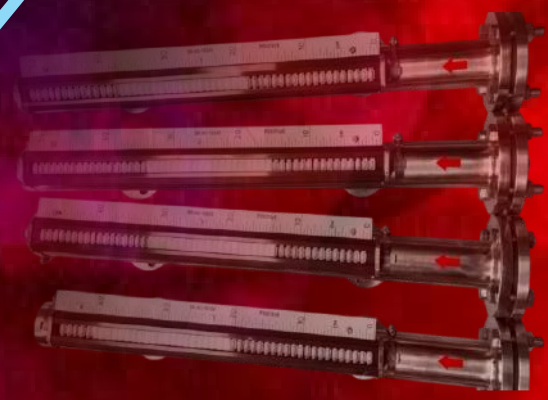




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DESIGN DATA

Mounting	:	Top or Side
Operating Pressure	:	Up to 20 Kg/cm ²
Operating Temperature	:	-20 to 400°C
Process Connection	:	Flanged or Screwed
C-C Distance (±3mm)	:	Up to 6000mm
Flag Display Length	:	Up to 6000mm
Specific Gravity	:	0.75 (Min.)
Indicator Roller	:	Aluminum

OPTIONAL ACCESSORIES

Magnetic Level Switches

Reed switches or electrical snap (magnetic pendulum switch) may be mounted on the rail of the level gauge to be activated at high / low levels. The number of switches is only limited by length of the indication rail and the switches can be mounted on the left and right side of the rail. Mounting the level switches is a very easy task.

Magnetic Level Transmitter

The analogue transmitter mounts directly to the side of the level gauge chamber, providing a continuous 4-20mA output signal proportional to the liquid level with an accuracy of +3mm. Using simple and reliable reed switches surface mounted to a printed circuit board. The transmitter can be equipped with a local indicator to show the level height in a length scale or indicate the percentage of the total height or the tank volume.





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TUBULAR TYPE LEVEL INDICATOR

SPECIFICATION

- The top & bottom liquid Chamber of indicator is made of solid bar & Glass Tube (Borosilicate) is fully Protected by Box Section made out of 2 mm thick S.S. channel. The strength of the box is so good that even if a man stands on the indicator, supported at both ends, the tube remains intact.
- We are using 100% PTFE (TEFLON) rope as packing to ensure positive leak tightness for full vacuum as well as 6 Kg / Cm service pressure.
- As Compare to Reflex & Transparent type Level Gauge, this Tubular Level Indicator is light in weight.
- It is available in single length of 2000 mm C/C Distance. We can extend the length by coupling 2 or more through coupler.
- We are providing Air Vent Plug at top & drain plug at bottom for taking sample. We can also provide Inbuilt Isolation Valve on request.
- It is simple and reliable device for direct reading in atmospheric or pressurized (below 5 Kg/cm²) tank application.
- It Eliminates trouble giving threaded joints of Conventional Gauge Glass Cock as hazardous Chemicals Start leaking.
- Glass Tube (Borosilicate Boiler Quality) is fully protected by guard Rods or Box Section made of 'C' – Channel.
- Offset Constructed Isolation Valve on request. The connection provided will be Flanged / Screwed / TC Joint.

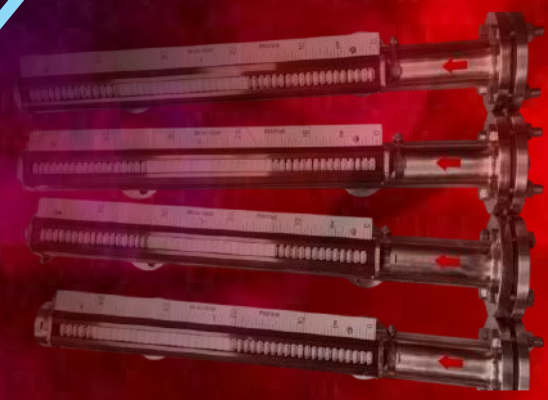




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Reflex Level Indicators

Reflex level indicators are for applications that involve high temperature, high pressure and use of corrosive fluids. The colorless fluid used in this apparatus gives better clarity to level indication. Magnetic level indicators are red followers that need magnetic level indicators. Cylindrical float

SPECIFICATION	
Type	: reflex
Mounting	: side - side/top -bottom
C/C distance	: to mention
Visible length/ no. Of section	: to mention
Op. Pressure kg/cm ² g/temp. C/sp gr:	to mention
Hydro test pressure kg/cm ² g	: 1. 5 times of max pressure
Process conn. Flange size & rating	: to mention
Process conn. Flange material	: to mention
Material of construction	: toughened borosilicate imported kinger/maxos/indian make
Material of construction	: cs/ss 304/ss316/pp/ptfe
Material of cover plate	: cs to astm a-105 (non wetted parts)
Valve type/design	: ball check / auto shut -off
Valve body material	: cs/ss 304/ss316/pp/ptfe
Valve trim material	: ss 316
Vent/drain connection	: 1/2" npt (f) with plug (or) to mention.
Material of bolts & nuts	: ss 316 ms, en-8, ss or to mention
Gaskets/seals	: caf, af 120, ptfе line are engraved at each 10mm
Gaskets/seals	: caf, af 120, ptfе line are engraved at each 10mm
Least count	: 1mm, 5mm & 10mm or to mention

Positioning

These gauges are connected on the side of vessels, have liquid chamber made of single piece metallic bar stock. Clear visibility of the path of the liquid in the chamber is provided by clamping & sealing firmly on the chamber heavy duty toughened glasses.

Accessories : isolation valve, drain valve, vent valve -steam jacket arrangement

Option : ibr approved available on request application is widespread in petrochemical, power, fertilizer, and pharmaceutical chemical industries.

Application : boiler, ammonia receiver, solvent etc.

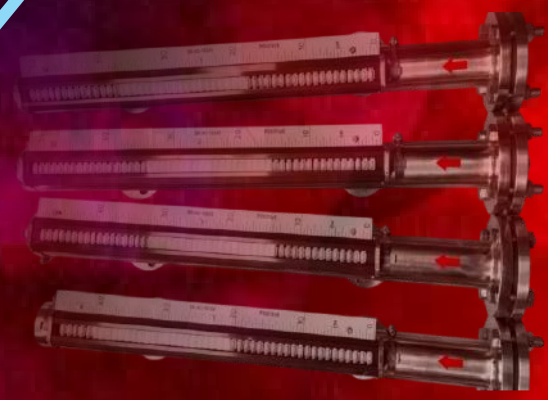




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Float & Board Type Level Indicator

A totally new, reliable and accurate system for liquid level measurement in tall and overhead tanks. Highly efficient and rugged in construction, this instrument is very suitable for large storage tanks for Water, Fire Water, DM Water, Oil, LSHS, Diesel, Lube Oil, Vegetable Oils, Molasses, Silicates, Glucose, All Non-Hazard, Non- Pressurized tanks.

As the liquid rises in the tank, the large float also goes up, in turn moving the pointer on the graduated scale. The float is connected to the pointer with the wire rope which glides over almost frictionless nylon rollers, thereby ensuring trouble free operation.

SPECIFICATION

Tank height /Range : 0 to 10 mtrs Without Wire Rope Guide Assembly
Above 10 mtrs With Wire Rope Guide Assembly

Temperature : Up to 150°C

Pressure : Up to 1 Kg/cm²

Connection : Flanged to ASA/BS/DIN/ Screwed
BSP/NPT Wetted Part

Material : MS/CS/SS304/SS304L/SS316/SS316L
/ PP/HDPE/PVDF Lined/PTFE Lined







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