

MAGNETIC LEVEL INDICATOR- MLI-31

DESCRIPTION

Magnetic Level Indicators are high performance instruments for Level Indication. There are different configuration styles, including top mounted models. This measuring system is preferred because there is a safe pressure and gas tight separation between measuring and indicating parts.

OPERATION

Levsen Magnetic level indicators consist of a chamber, a magnet equipped float which rises and lowers with the fluid level, and an indicator which is mounted to the chamber.

The chamber is completely sealed so that the only moving part of the apparatus in contact with the liquid is the float itself. On the 'dry side' of the chamber is the Magnetic Flapper Display, a column of magnetic Flappers which are white on one side and red on the other. The flappers are made from SS316 with a distance of 10 mm between their axes. As the fluid level rises and lowers, the float rises and lowers as well, and the flappers are tripped from one orientation to the other; As the float rises the flappers are turned from white to red, and as the float falls, they are changed back to white again. This means that at any given time the amount of liquid in the tank is constantly represented by a red column without any external power supply. In addition, Level sensing elements can be fixed directly to the float cage, so that simultaneously liquid level is electrically measured through smart transmitter with output of 4-20mA. It is possible to connect Level indicating Meters and Set Point Relays at any distance for control and display purpose. Moreover it is possible to attach bistable Magnetic Switches to the Magnetic Level indicator in order to get switching at any desired liquid level.

SPECIFICATION

Mounting	: Side/Top
C-C Distance	: 3000mm (more if required)
Process Connection	: Flange / Thread
Chambers	: SS304/316/PP
Float	: SS 316/PVDF
Level Indication	: Bi-Color Magnetic Flappers/Capsule
Scale	: SS304/316/PP
Valve	: Shutoff Valve
Vent / Drain	: ½" BSP/ NPT Plug/Needle Valve
Max. Temperature	: Upto 400°C,
Maximum Pressure	: Up to 100 Kg/cm ²
Accessories	Magnetic Switch :-
	<ul style="list-style-type: none"> • Micro Switch • Reed Switch
	Transmitter :-
	<ul style="list-style-type: none"> • Output : 4-20MA

FEATURES

Easy to install, no extra piping required in most applications
 No process liquid in contact with indicator glass
 Simple, robust, and solid design
 Ideal for high-temperature, high-pressure and corrosive applications
 Steam Jacketing , heating/cooling arrangement are optional.

APPLICATION

Water, Chemicals, pharmaceutical industries, Boilers, petrochemical industries, refineries, oil and fuel tanks etc

