

Description

Cirrus Magnetic Bi-Colour Level Indicator is an efficient way to measure level of liquids, wherein indication display mechanism does not come in direct contact with the liquid media. Liquid whose level is to be measured, passes through a top or side mounted chamber (of stainless steel or PP), which withholds a special designed cylindrical magnetic float as per the density of said liquid. The magnetic float traverse up & down inside the chamber due to rise & fall of liquid level inside tank. A bi-colour indicator strip is externally mounted outside the chamber, which is made of a series of sealed half red & half white dual coloured magnetized rollers or flappers positioned horizontally at their rotating bushes. Traverse motion of magnetic float inside the chamber causes a magnetic field at that point, which in turn makes the bi-colour rollers to rotate on their axis due to reverse magnetic polarity, thus changing their colour state from white to red during liquid rising/float moving up & vice versa red to white during liquid level falling/float moving down inside the tank. These red/white rollers are visible from distance hence giving a good indication visibility. Indicator's unique operating mechanism makes it suitable for most liquids, since indication portion never comes in direct contact with the media. With liquid moving safely inside a chamber, it avoids any possibility of spillage due to breakage or indication portion getting less visible with time. It can be used for level controlling with optional controlling. These switches are magnetically operated by the float & are adjustable mounted outside the chamber by clamp arrangement. More than one switch can be used for achieving different level set points. They require no external power to operate & gives potential free contact. Optional transmitter with 4-20 mA output is also available. The transmitter is a circuitry in-housed inside a solid rod probe. The transmitter rod probe is clamped outside the chamber. The circuitry activates due to magnetic field of float thus giving a continuous level indication.

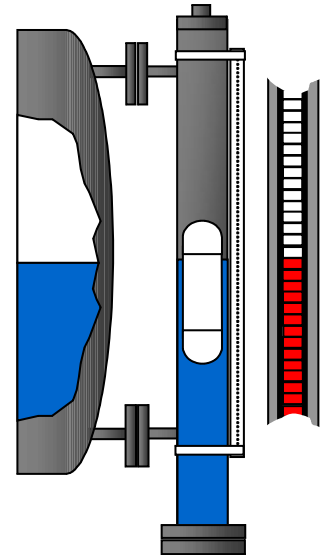
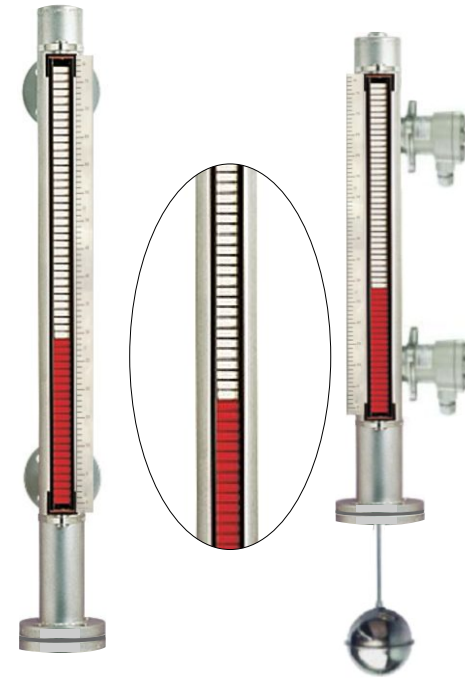
Application: Condensate, high temperature/pressure liquids, alkali, dyes, chemicals, acids, boiler, water, coloured liquids, food grade liquids, acids, HP/LP heaters, oil, diesel etc.

Features

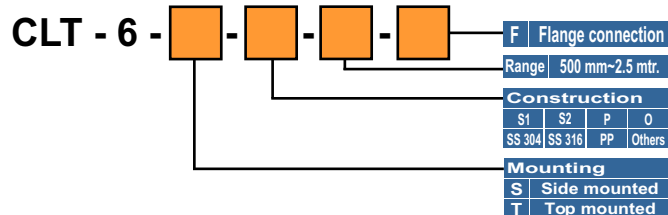
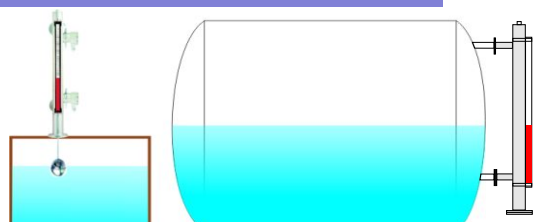
- ⇒ Indication unit does not come in contact with liquid.
- ⇒ Rugged, life long, greater visibility, suitable for liquids like hot water / dyes.
- ⇒ SS & PP versions for corrosive liquids
- ⇒ Optional level switches for controlling & level transmitter.
- ⇒ High temperature & pressure versions.

Technical Specification

MODEL	CLT6 - S	CLT6 - T
Type	Side Mounted	Top Mounted
Measuring range	C-C distance : upto 2.5 mtr.	2 mtrs
Chamber Construction	Stainless Steel / PP	
Indicator	Red & White Bi - Colour Magnetic roller strip	
Float material	SS 304 / SS 316 / PP	
Process Temperature	100 ~ 300 °C	
Operating Pressure	15 Bar / 60 Bar ~ 100 Bar	
Process Connection	Flanged	
Drain Valve (optional)	SS / PP	
Level Switch (optional)	Potential free contact, adjustable by mounting clamp on chamber	
Level Transmitter (optional)	4- 20 mA output (2 wire), 24 V DC supply, Aluminium housing	



Model Selection



Contact us for other models & specifications not listed here. Due to product enhancement technical specification may vary.

Cirrus

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