



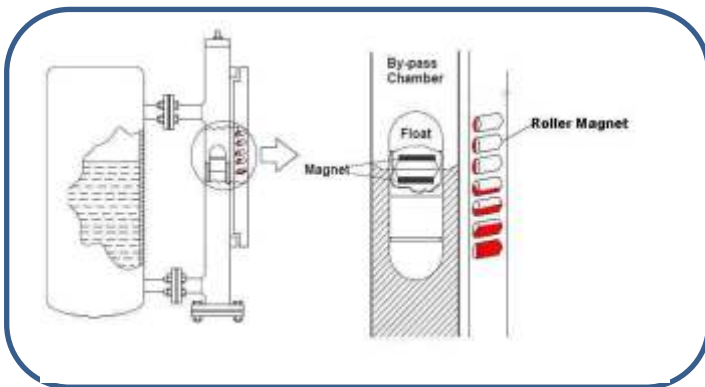
Bi-color Roller Magnets type Level Gauge

INTRODUCTION

NK Instruments Pvt. Ltd. make Bi-Color Roller Magnets type Level Gauge 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 Bi-Color Roller Magnets type Level Gauge utilizes hydrostatic principle to show the liquid level in the tank. The Bi - colored magnetic roller are mounted on aluminum channel, protected by sturdy aluminum box and convex dust proof acrylic cover. As the magnetic float moves upward the roller turn inside out changing color from white to red.



Design Data :

General Data :

Mounting	: Top or Side	Density	: From 0.70g / cm ³
Operating Pressure	: Up to 50 Kg / cm ²	Precision for Interface or Density	: From +- 0.01 g / cm ³
Operating Temperature	: -20 To 400°C	Measuring Error	: +- 10mm
Process Connection	: Flanged or Screwed	Viscosity	: Max1000mPas
C-C Distance (+- 3mm)	: Up to 6000 mm	Connection	: Weld End (Standard) / Flanges DIN and ANSI
Flag Display Length	: Up to 6000 mm	Weight	: Basic 7 Kg for 1 meter
Specific Gravity	: 0.75 (Min.)		
Indicator Roller	: Metallic		

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 Transmitters :

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.

Continuous efforts for product development may necessitate changes in these details without notice

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