

Follower Capsule type Magnetic Level Gauge Gauge Indicator

INTRODUCTION

NK Instruments Pvt. Ltd. makes Magnetic Capsule type Magnetic Level Gauge is installed outside of a vessel or tank. The liquid level in the tank can easily be observed from the change in the position of the Follower Pointer. Optional devices of magnetic switch and level transducer can be added for electrical signal output and level transmitting.

PRINCIPLE :

Capsule type Magnetic Level Gauge utilizes hydrostatic principle to show the liquid level in the tank. A cylindrical float with powerful magnet moves with level inside metallic chamber. Level is indicated by a weighted magnetic capsule that follows the float movement. Capsule guided in filled glass tube attached externally to chamber. Excellent visibility because of lens action of liquid filled glass and absolute safety because of non-fragile metal chamber.

General Data:

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

Design Data:

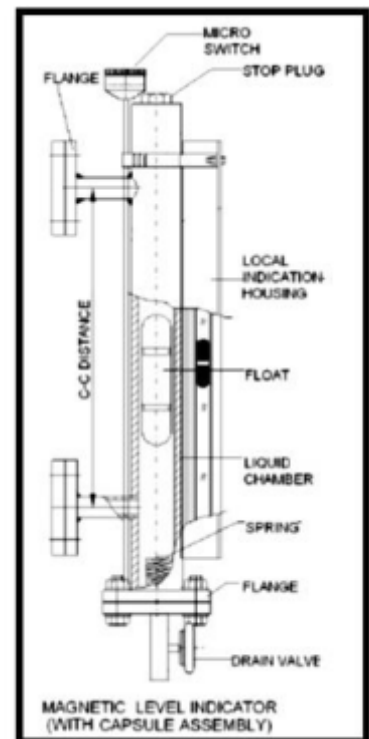
Mounting	: Top or Side
Operating Pressure	: Up to 50 Kg / cm ²
Operating Temperature	: -20 To 400°C
Process Connection	: Flanged or Screwed
C-C Distance (+- 3mm)	: Up to 6000 mm
Flag Display Length	: Up to 6000 mm
Specific Gravity	: 0.75 (Min.)
Indicator Roller	: Metallic

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.

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



Authorised Dealer



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