



Float type Magnetic Level Gauge

INTRODUCTION :

The NK Instruments Float 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 of the flag color or, the follower type magnet. Optional devices of magnetic switch and level transducer can be added for electrical signal output and level transmitting.

PRINCIPLE :

The NK Instruments Float type Magnetic Level Gauge 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.

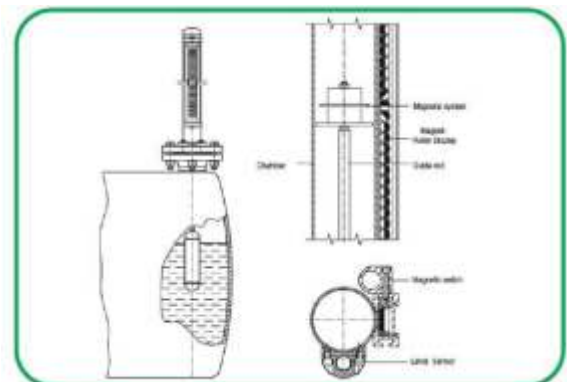


General Data

Density	: From 0.70 g / cm ³
Precision for Interface or Density	: From +/- 0.01 g / cm ³
Measuring Error	: +/- 10mm
Viscosity	: Max1000 mPas
Connection	: Weld End (Standard) / Flanges DIN and ANSI
Weight	: Basic 7 Kg for approx. 1 meter

Design Data:

Mounting	: Top or Side of the tank
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
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.

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.

CONTACT DETAILS

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