

Magnetic Level Gauge M-series

The M-series magnetic level gauge, level switch consist of an un-magnetic chamber, magnetic float and with a built-in magnet strips, a vertical chamber connected a tank with two end. The float rise or falls in the chamber. It turns to the indicative strips to provide a indication of the tank level. This series also provide accessories such as switch and measuring sensor with converter turn to a 4-20mA (2-wires) DC output signal. To provide a liquid level control function.

Technical Data

Application for Chemical and Petrol Chemical process, Boilers and other industries.

Connection: From ½ to 3" flange type, JIS, ANSI, DIN rating available; special size on request.

Pressure Limited:

- 5kg/cm² for Plastic chamber type (PVC,PP)
- 7kg/cm² for Plastic chamber type (PVDF)
- 20kg/cm² for Metal chamber type (Stainless steel)
- Up to 40kg/cm² for Metal chamber type (stainless steel) on request.

Temperature Limited:

- 0..+50°C for Plastic chamber type (PVC,PP)
- -30...+100 °C for Plastic chamber type (PVDF)
- -20...+150 °C for Metal chamber type (Stainless steel)
- -20..+300 °C for Metal chamber type (Stainless steel) on request (for this special type, if your operating temperature is ≥250C, the S. Gr. must be ≥0,8)

Center to Center Length: Maximum 5500mm

Accuracy: ±4mm (Transmitter type: standard ±12mm; and ±6mm on request)

Indicating Case Protection: IP66

Indicating Strips Material: aluminum, Plastic (PBT), brass w/painting available. The colors are red & white (Standard) and other colors option available

Indicating Float Material: Aluminum, others on request

Specific Gravity: for standard type: 500-2900 kg/m³ (for special type with high temp ≥250C, the Sp.Gr. must be ≥800kg/m³)

Indicating Gauge Orientation Adjustable

Chamber Size: Ø50 or Ø60mm

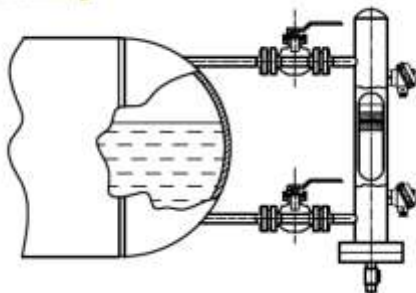
HART® Communication: available

Two wire Transmitter with HART Protocol:

- Galvanic Isolation
- Suitable for application in SIL 2 installations

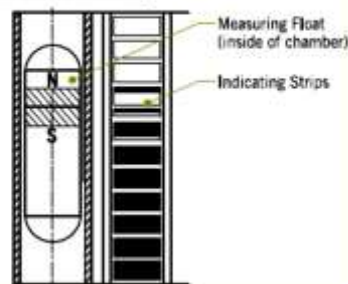


(B) Side Mounting



Principle

■ Indicating Strips Type ■





Ordering Information:

MB Type	Code	Model
		MB-1 MB-2 MB-3 MB-4 MBH (Indicating + HART (4-20mA), no alarm switch available)
		Code Connection
	A	3" B 4" C Option
		Code Connection Rating
		(1) JIS10K (2) JIS 20K (3) ANSI 150# (4) ANSI 300# (5) PN16 (6) PN40 (7) Option
		Code Material of Wetted Parts
	A	SS304 B SS316 C SS316L D PVC E PP F PE G PVDF H Option
		Code Material of Indicating Case
	1	Aluminum 2 SS304
		Code Material of Indicating Strips
	A	Plastic (PBT) B Aluminum C Brass w/painting
		Code Switch Type
	1	Reed Switch 2 Micro Switch 3 Option O Without Switch
		Code Switch Point
		(A) 1 (B) 2 (C) 3 (D) 4 (O) Without
		Code Transmitter Type
	1A	4-20mA Transmitter, Resolution Accuracy: ±12mm (standard)
	1B	4-20mA Transmitter, Resolution Accuracy: ±6mm
	2	Without
		Code Scale Plate
	A	Yes B Without
		Code Switch or Transmitter Housing
		(0) Without (1) Weather Proof, IP66 (2) Explosion Proof
		Code Specific Gravity
		Please directly fill out the Sp.Gr. in the of liquid order code.
		Code LCD Display (for MBH)
	D	With N Without
		Code Setting Point & Switch Acting Functions
		Please fill in the requested length and float raised 1ON or fall down 1ON. #1=___mm□ON #2=___mm□ON #3=___mm□ON #4=___mm□ON
MB Type		Complete Ordering Code

