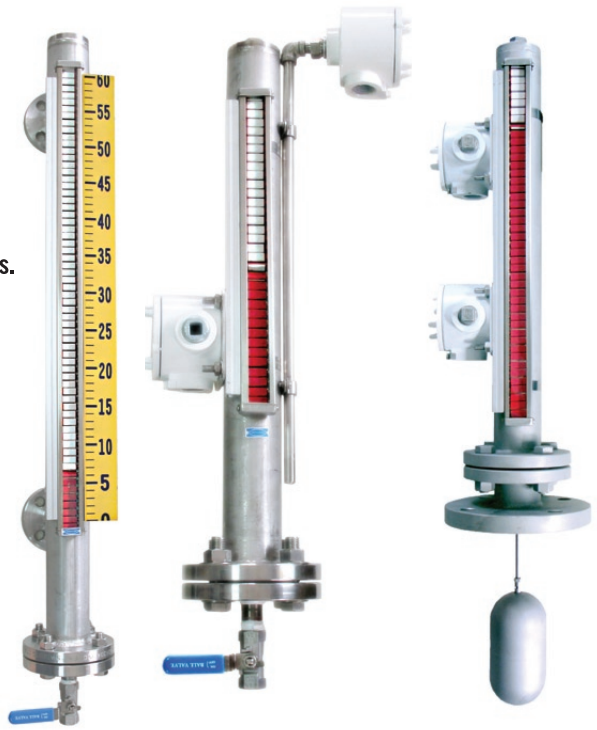
MAGNETIC LEVEL GAUGE M-SERIES

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 rised or falls in the chamber. It turn 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: 5 kg/cm² for Plastic chamber type (P.V.C, PP);
7 kg/cm² for Plastic chamber type (PVDF);
20 kg/cm² for Metal chamber type (stainless steel);
up to 40 kg/cm² for Metal chamber type (stainless steel) on request

Temperature Limited: 0~50°C for Plastic chamber type (P.V.C, 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 ≥250°C, the Sp. Gr. must be ≥0.8.)

Center to Center Length: maximum 5500mm

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

Indicating Strips Material: Aluminum; Plastic (PBT) available, the colors are red and white

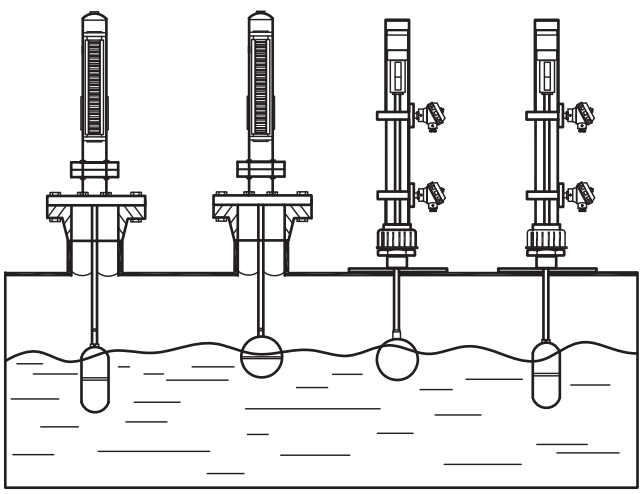
Specific Gravity: for standard type: 500~2900 kg/m³;
(for special type with high temp. ≥250°C, the Sp. Gr. must be ≥800 kg/m³).

Indicating gauge orientation adjustable

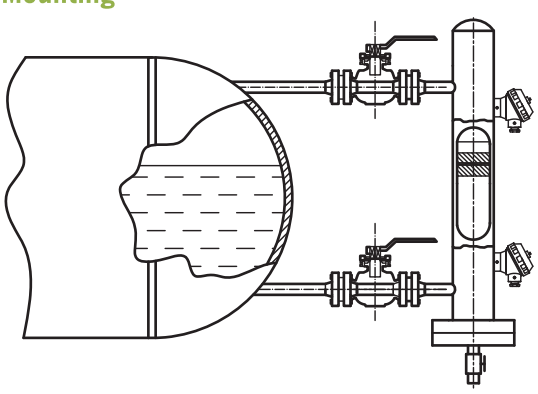
Chamber Size: ø50 or ø60mm

Installation

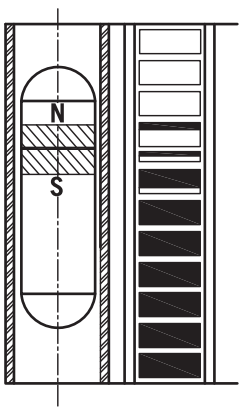
(A) Top Mounting



(B) Side Mounting



Principle



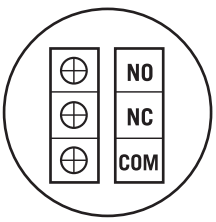
WWW.NEW-FLOW.DE | Tel: +49 3682 49099 | Fax: +49 3682 49093 | E-Mail: info@mess-regel.de

Switch Function

Micro Switch Type

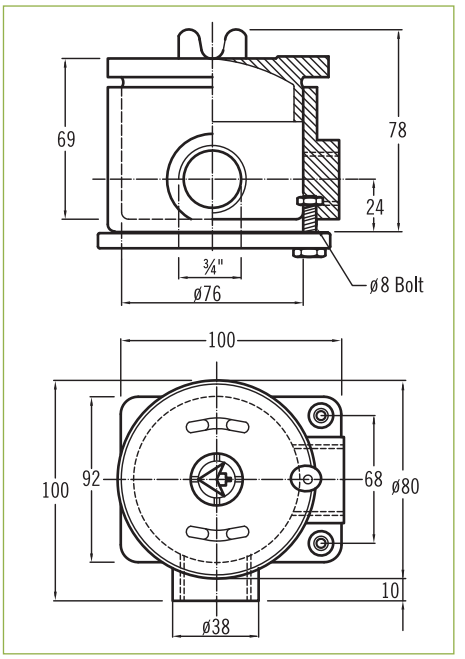
Protection: Explosion proof, EExdIICT6, IP65
Micro Switch: 1xSPDT;
2xSPDT (one setting point) available
Rating: 3A/250VAC, 3A/30VDC, 0.4A/125VDC

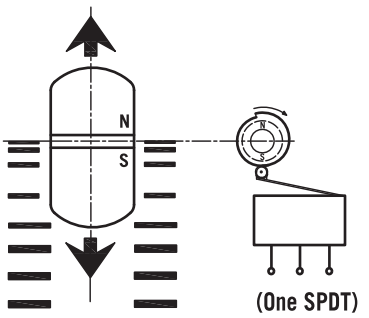




Wire Drawing

Dimensions





(One SPDT)

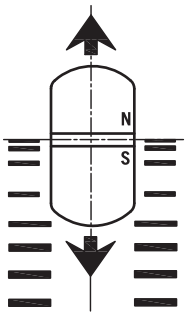
Option: 2 SPDT switch on request

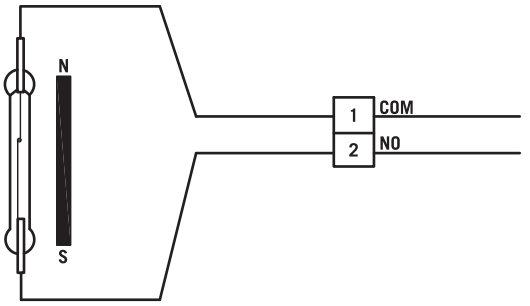
NC	6
NO	5
COM	4
NC	3
NO	2
COM	1

(Two SPDT)

Reed Switch Type (SPST)

Alarm Switch: form A N.O. type bistable switch
Rating: AC 125V 0.5A /DC 100V 10W
/ Max. DC 250V < 10mA

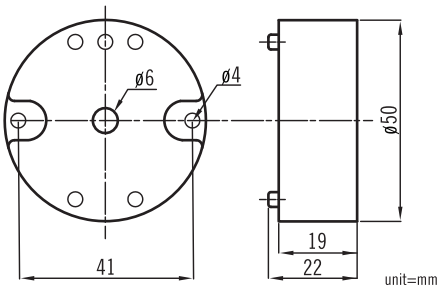


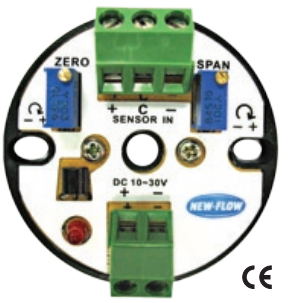


Transmitter Type

Potentiometer I/P
Output Signals: 4~20mA DC,
Load resistance R_L (max)=(Vs-10)x50Ω (2-Wire)
Input Range: 100Ω to 45KΩ (3-Wire)
Output Adjustment Range: Zero adjustment 0~15%
Accuracy: ±0.1% F.S (at 23°C)
Linearity: ±0.1% F.S
Supply Voltage: 10~30V DC
Temp. Coefficient: ±0.02%/°C
Operating Temp.: -5 ~ +70/°C
Operating Humidity: 0~90% RH
Terminal: DIN type
Installation: Head and wall mounting
Case Material: Nylon 6 resin (Black)
Weight: about 50 grams

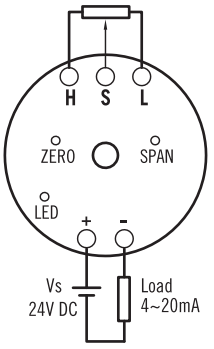
Dimensions

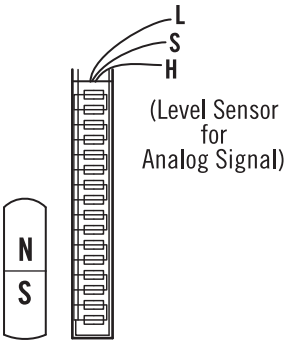




GL-T

Sketch Terminal & Level Indicating Strip





Features

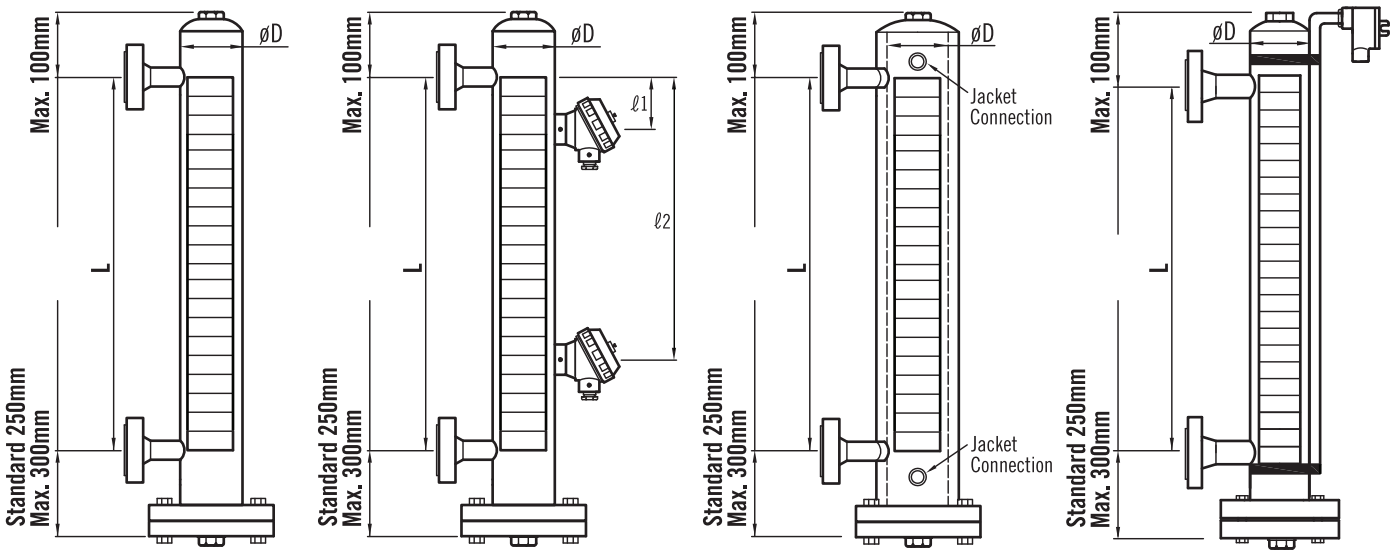
- ISO 9001 and CE certificate
- High immunity to external noise
- LED indication and DC power polarity protection
- High reliability, lasting durability and low cost

Application

- Position of valve, damper and other devices

WWW.NEW-FLOW.DE | Tel: +49 3682 49099 | Fax: +49 3682 49093 | E-Mail: info@mess-regel.de

M Standard Type–Side Mounting Series



Model: M Standard Type

Model: MS Switch Type

Model: MJ Heater Jacket Type

Model: MT Transmitter Type

*D=ø50 or ø60

Ordering Information

M Type	Code	Model							
	M	Standard type	MS	Switch type	MJ	Heater jacket type	MT	Transmitter Type	

Code	Connection												
A	½"	B	¾"	C	1"	D	1½"	E	2"	F	3"	G	Option

Code	Connection Rating
	(1) PTM (2) NPTM (3) JIS 10K (4) JIS 20K (5) ANSI 150# (6) ANSI 300# (7) PN16 (8) PN40 (9) Option

Code	Material of Wetted Parts														
A	SS304	B	SS316	C	SS316L	D	P.V.C	E	P.P	F	PE	G	PVDF	H	Option

Code	Material of Indicating Case		
1	Aluminum	2	SS304

Code	Material of Indicating Strips				
A	Plastic	B	Aluminum	C	Brass

Code	Switch Type						
1	Reed Switch	2	Micro Switch	3	Option	0	Without Switch

Code	Switch Point
	(A) 1 (B) 2 (C) 3 (D) 4 (0) Without

Code	Transmitter Type
	(1) 4~20mA Transmitter (2) Without

Code	Scale Plate		
A	Yes	B	Without

Code	Switch or Transmitter Housing
	(1) Weather proof IP65 (2) Explosion proof

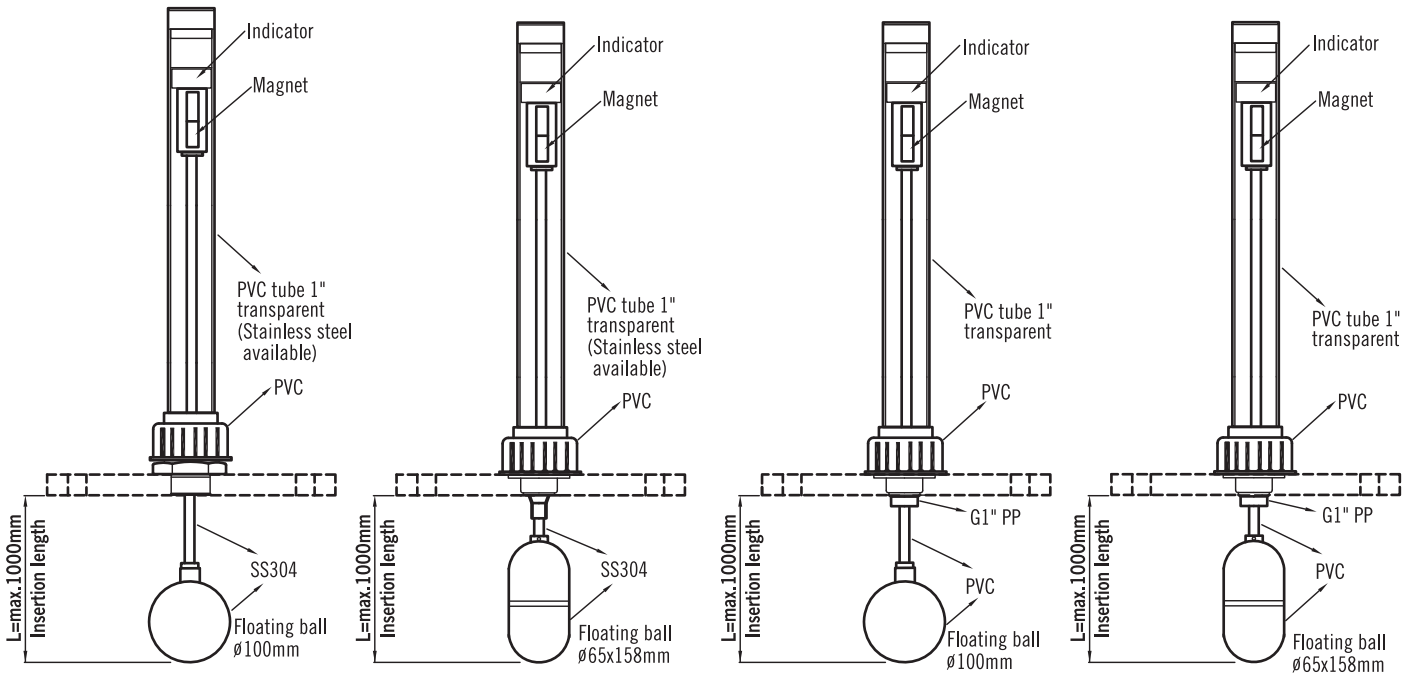
Code	Specific Gravity
	Please directly fill out the Sp. Gr. in the of liquid order code.

Code	Setting Point & Switch Acting Functions
	Please fill in the requested length and float rised ↑ ON or fall down ↓ ON ℓ1=____mm☐ ON ℓ2=____mm☐ ON ℓ3=____mm☐ ON ℓ4=____mm☐ ON

M Type														Complete Ordering Code

WWW.NEW-FLOW.DE | Tel: +49 3682 49099 | Fax: +49 3682 49093 | E-Mail: info@mess-regel.de

MP Type–Top Mounting Transparent Series



Ordering Information

MP Type	Code	Model				
		MP-1	MP-2	MP-3	MP-4	

Code	Connection					
A	3"	B	4"	C	Option	

Code	Connection Rating
	(1) PTM (2) NPTM (3) JIS 10K (4) ANSI 150# (5) PN16

Code	Material of Wetted Parts														
A	SS304	B	SS316	C	SS316L	D	P.V.C	E	P.P	F	PE	G	PVDF	H	Option

Code	Material of Indicating Case				
1	P.V.C tube transparent	2	Blind SS304	3	Blind SS316

Code	Switch Type						
1	Reed Switch	2	Micro Switch	3	Option	0	Without Switch

Code	Switch Point
	(A) 1 (B) 2 (C) 3 (D) 4 (0) Without

Code	Transmitter Type
	(1) 4~20mA Transmitter (2) Without

Code	Scale Plate		
A	Yes	B	Without

Code	Switch or Transmitter Housing
	(1) Weather proof IP65 (2) Explosion proof

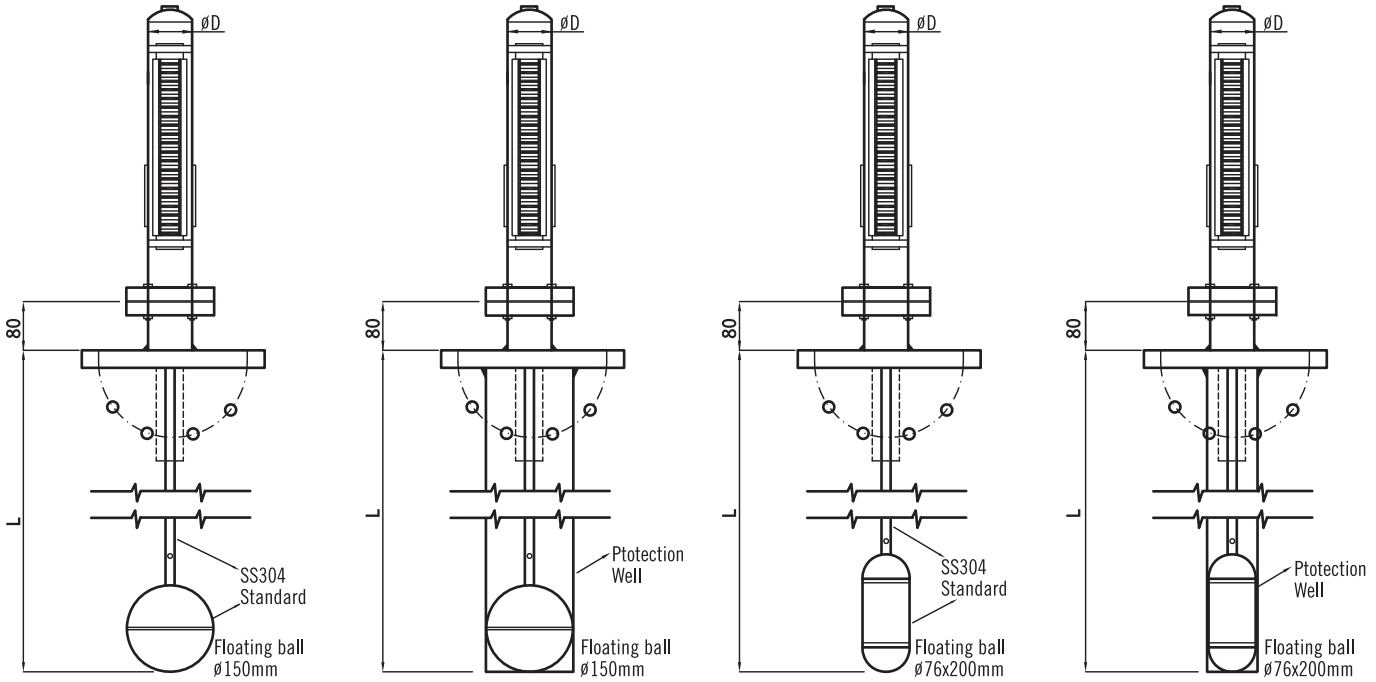
Code	Specific Gravity
	Please directly fill out the Sp. Gr. in the of liquid order code.

Code	Setting Point & Switch Acting Functions
	Please fill in the requested length and float rised ↑ ON or fall down ↓ ON ℓ1=____mm☐ ON ℓ2=____mm☐ ON ℓ3=____mm☐ ON ℓ4=____mm☐ ON

MP Type													Complete Ordering Code

WWW.NEW-FLOW.DE | Tel: +49 3682 49099 | Fax: +49 3682 49093 | E-Mail: info@mess-regel.de

MB Type–Top Mounting Series



Model: MB-1 | Model: MB-2 | Model: MB-3 | Model: MB-4

*D=ø50 or ø60

Ordering Information

MB Type	Code	Model				
		MB-1	MB-2	MB-3	MB-4	

Code	Connection					
A	3"	B	4"	C	Option	

Code	Connection Rating
	(1) JIS 10K (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	P.V.C	E	P.P	F	PE	G	PVDF	H	Option

Code	Material of Indicating Case		
1	Aluminum	2	SS304

Code	Material of Indicating Strips				
A	Plastic	B	Aluminum	C	Brass

Code	Switch Type						
1	Reed Switch	2	Micro Switch	3	Option	0	Without Switch

Code	Switch Point
	(A) 1 (B) 2 (C) 3 (D) 4 (0) Without

Code	Transmitter Type
	(1) 4~20mA Transmitter (2) Without

Code	Scale Plate		
A	Yes	B	Without

Code	Switch or Transmitter Housing
	(1) Weather proof IP65 (2) Explosion proof

Code	Specific Gravity
	Please directly fill out the Sp. Gr. in the of liquid order code.

Code	Setting Point & Switch Acting Functions
	Please fill in the requested length and float rised ↑ON or fall down ↓ON ℓ1=____mm☐ON ℓ2=____mm☐ON ℓ3=____mm☐ON ℓ4=____mm☐ON

MB Type													Complete Ordering Code

WWW.NEW-FLOW.DE | Tel: +49 3682 49099 | Fax: +49 3682 49093 | E-Mail: info@mess-regel.de