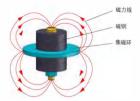


Principle of operation

The bypass cavity is installed on the side of the tank body, and the liquid level float introduced into the tank body at the same height floats on the liquid level after communication.

The magnetic display body is installed on the surface of the bypass cavity, and turns over with the position of the built-in magnetic steel in the floating ball, and the switch and sensor are also triggered by the built-in magnetic steel in the floating ball.



Product description

LSM series magnetic column level meter consists of bypass cavity, float and magnetic display. The bypass cavity is connected to the tank body through at least two process interfaces (flanges, threads or welding ends), and the same height is introduced into the liquid level in the tank body.

The float is located in the cavity and floats on the liquid level. The permanent magnet is built in the float, and the magnetic field can pass through the wall of the bypass cavity to trigger the magnetic display installed outside the bypass cavity to turn over, thus realizing non-contact liquid level height indication.

The magnetic display is composed of bicolor plastic turnover columns or stainless steel turnover plates, each of which is closely arranged at 10 mm. After being triggered by the magnetic steel in the float, the built-in small magnetic columns turn over 180 degrees in turn, changing from white to red when the liquid level rises and from red to white when the liquid level falls.

Functional performance

Can provide customized design for process and system requirements.
Working conditions:

- -Operating temperature: t =-200 ...+450℃
- -operating pressure: P = vacuum to 10.0mpa.
- -medium density: ρ≥200 kg/m3

Different process connections and materials are available.

Optional liquid level transmitter and magnetic switch.

Explosion-proof design

Product application

Column display, no need for external power supply.

Year-on-year display level

Customized design and corrosionresistant materials are optional, which can be used in a wide range of industrial fields, such as chemistry, petrochemical industry and oil and gas drilling.

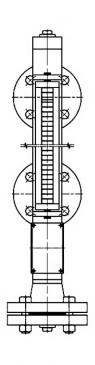
Water treatment, food industry and pharmacy in process industry and drinking water industry.

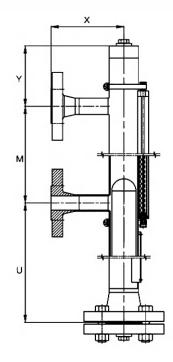




Basic LSM10-A of magnetic column level gauge

shunt valve φ60.3x2mm, max. 4.0MPa Φ φ60.3x2.6mm, max. 6.4MPa φ60.3x2.77mm, max. 6.4MPa φ60.3x2.77mm, max. 6.4MPa Welding cap (≤2.5MPa) Flat head with BSP 1/2 "vent plug (> > 2.5MPa) flange air vent valve Ventilation flange Flange with BSP 1/2 drain plug blow-down valve Blowdown flange Side Connection, Qty 2 Flanges: HG/T 20592, DN10-DN100, PN6-PN63. HG/T 20615, 1/2"-4"class150-class600 EN 1092-1, DN10-DN100, PN6-PN63 ANSI B16.5, 1/2"-4"class150-class600 Welded end: 1/2"-1" External thread: G/NPT 1/2"-1" Internal thread: G/NPT 1/2"-1" Internal thread: G/NPT 1/2"-1" Main material 304/316I/316II/ double standard 316/316L Rated pressure Maximum 6.4MPa medium temperature -200°C~+450°C float fundamental form Pressure-resistant type Magnetic display body High temperature type (-200~+450°C) High temperature type (-200~+450°C) Dry spring liquid level sensor/transmitter Ma	Parameter								
Top of bypass pipe Flat head with BSP 1/2 "vent plug (> > 2.5MPa) Flat head with BSP 1/2 "vent plug (> > 2.5MPa) flange air vent valve Ventilation flange Flange with BSP 1/2 drain plug blow-down valve Blowdown flange Flanges: HG/T 20592, DN10-DN100, PN6-PN63. HG/T 20615, 1/2"-4"class150-class600 EN 1092-1, DN10-DN100, PN6-PN63 ANSI B16.5, 1/2"-4"class150-class600 Welded end: 1/2"-1 " External thread: G/NPT 1/2"-1 " Internal thread: G/NPT 1/2"-1 " center distance Main material Rated pressure medium temperature -200°C~+450°C float fundamental form Pressure-resistant type Magnetic display body High temperature type (-200~+450°C) Iiquid level sensor Magnetostrictive liquid level transmitter	shunt valve	φ60.3x2mm, max. 4.0MPa							
Top of bypass pipe Flat head with BSP 1/2 "vent plug (> > 2.5MPa)		Φ φ60.3x2.6mm, max. 6.4MPa							
Flat head with BSP 1/2 "vent plug (> > 2.5MPa) flange air vent valve Ventilation flange Flange with BSP 1/2 drain plug blow-down valve Blowdown flange Side Connection, Qty 2 Flanges: HG/T 20592, DN10-DN100, PN6-PN63. HG/T 20615, 1/2"-4"class150-class600 EN 1092-1, DN10-DN100, PN6-PN63 ANSI B16.5, 1/2"-4"class150-class600 Welded end: 1/2"-1 " External thread: G/NPT 1/2"-1 " Internal thread: G/NPT 1/2"-1 " center distance 150mm~6000mm (larger size can be customized according to requirements) Main material 304/316L/316Ti/ double standard 316/316L Rated pressure Maximum 6.4MPa medium temperature -200°C~+450°C float Magnetic display body High temperature type (-200~+450°C) Dry spring liquid level sensor/transmitter Magnetostrictive liquid level transmitter		φ60.3x2.77mm, max. 6.4MPa							
Flat head with BSP 1/2 "vent plug (> > 2.5MPa) flange air vent valve Ventilation flange Flange with BSP 1/2 drain plug blow-down valve Blowdown flange Side Connection, Qty 2 Flanges: HG/T 20592, DN10-DN100, PN6-PN63. HG/T 20615, 1/2"-4"class150-class600 EN 1092-1, DN10-DN100, PN6-PN63 ANSI B16.5, 1/2"-4"class150-class600 Welded end: 1/2"-1 " External thread: G/NPT 1/2"-1 " Internal thread: G/NPT 1/2"-1 " center distance Main material 304/316L/316Ti/ double standard 316/316L Rated pressure Maximum 6.4MPa medium temperature -200°C~+450°C float fundamental form Pressure-resistant type Magnetic display body High temperature type (-200~+450°C) liquid level sensor Magnetostrictive liquid level transmitter Magnetostrictive liquid level transmitter	Top of bypass	Welding cap (≤2.5MPa)							
air vent valve Ventilation flange Flange with BSP 1/2 drain plug blow-down valve Blowdown flange Side Connection, Qty 2 procedure linkage Flanges: HG/T 20592, DN10-DN100, PN6-PN63. HG/T 20615, 1/2"-4"class150-class600 EN 1092-1, DN10-DN100, PN6-PN63 ANSI B16.5, 1/2"-4"class150-class600 Welded end: 1/2"-1" External thread: G/NPT 1/2"-1" Internal thread: G/NPT 1/2"-1" center distance Main material Rated pressure Maximum 6.4MPa medium temperature -200°C~+450°C float Magnetic display body High temperature type (-200~+450°C) Dry spring liquid level sensor/transmitter Magnetostrictive liquid level transmitter		Flat head with BSP 1/2 "vent plug (> > 2.5MPa)							
Ventilation flange		flange							
Flange with BSP 1/2 drain plug blow-down valve Blowdown flange Side Connection, Qty 2 Flanges: HG/T 20592, DN10-DN100, PN6-PN63. HG/T 20615, 1/2"-4"class150-class600 EN 1092-1, DN10-DN100, PN6-PN63 ANSI B16.5, 1/2"-4"class150-class600 Welded end: 1/2"-1" External thread: G/NPT 1/2"-1" Internal thread: G/NPT 1/2"-1" center distance Main material 304/316L/316Ti/ double standard 316/316L Rated pressure Maximum 6.4MPa medium temperature -200°C~+450°C float Magnetic display body High temperature type (-200~+450°C) liquid level sensor Magnetostrictive liquid level transmitter Magnetostrictive liquid level transmitter		air vent valve							
Bottom of bypass pipe Blow-down valve Blowdown flange Side Connection, Qty 2 Flanges: HG/T 20592, DN10-DN100, PN6-PN63. HG/T 20615, 1/2"-4"class150-class600 EN 1092-1, DN10-DN100, PN6-PN63 ANSI B16.5, 1/2"-4"class150-class600 Welded end: 1/2"-1 " External thread: G/NPT 1/2"-1 " Internal thread: G/NPT 1/2"-1 " center distance Main material Mayinetial Rated pressure Maximum 6.4MPa medium temperature -200°C~+450°C float Magnetic display body Iiquid level sensor Dry spring liquid level sensor/transmitter Magnetostrictive liquid level transmitter		Ventilation flange							
blow-down valve Blowdown flange Side Connection, Qty 2 Flanges: HG/T 20592, DN10-DN100, PN6-PN63. HG/T 20615, 1/2"-4"class150-class600 EN 1092-1, DN10-DN100, PN6-PN63 ANSI B16.5, 1/2"-4"class150-class600 Welded end: 1/2"-1 " External thread: G/NPT 1/2"-1 " Internal thread: G/NPT 1/2"-1 " Internal thread: G/NPT 1/2"-1 " center distance Main material 304/316L/316Ti/ double standard 316/316L Rated pressure Maximum 6.4MPa medium temperature -200°C~+450°C float Magnetic display body High temperature type (-200~+450°C) liquid level sensor Magnetostrictive liquid level transmitter	Dottom of	Flange with BSP 1/2 drain plug							
Side Connection, Qty 2 Flanges: HG/T 20592, DN10-DN100, PN6-PN63. HG/T 20615, 1/2"-4"class150-class600 EN 1092-1, DN10-DN100, PN6-PN63 ANSI B16.5, 1/2"-4"class150-class600 Welded end: 1/2"-1 " External thread: G/NPT 1/2"-1 " Internal thread: G/NPT 1/2"-1 " center distance Main material 304/316L/316Ti/ double standard 316/316L Rated pressure Maximum 6.4MPa medium temperature -200°C~+450°C float Magnetic display body High temperature type (-200~+450°C) liquid level sensor Dry spring liquid level sensor/transmitter Magnetostrictive liquid level transmitter		blow-down valve							
Flanges: HG/T 20592, DN10-DN100, PN6-PN63. HG/T 20615, 1/2"-4"class150-class600 EN 1092-1, DN10-DN100, PN6-PN63 ANSI B16.5, 1/2"-4"class150-class600 Welded end: 1/2"-1 " External thread: G/NPT 1/2"-1 " Internal thread: G/NPT 1/2"-1 " Internal thread: G/NPT 1/2"-1 " center distance 150mm~6000mm (larger size can be customized according to requirements) 304/316L/316Ti/ double standard 316/316L Rated pressure Maximum 6.4MPa medium temperature -200°C~+450°C float fundamental form Pressure-resistant type Magnetic display body High temperature type (-200~+450°C) liquid level sensor Dry spring liquid level sensor/transmitter Magnetostrictive liquid level transmitter		Blowdown flange							
HG/T 20615, 1/2"-4"class150-class600 EN 1092-1, DN10-DN100, PN6-PN63 ANSI B16.5, 1/2"-4"class150-class600 Welded end: 1/2"-1 " External thread: G/NPT 1/2"-1 " Internal thread: G/NPT 1/2"-1 " Internal thread: G/NPT 1/2"-1 " center distance Main material 304/316L/316Ti/ double standard 316/316L Rated pressure Maximum 6.4MPa medium temperature -200°C~+450°C float fundamental form Pressure-resistant type Magnetic display body High temperature type (-200~+450°C) Dry spring liquid level sensor/transmitter Magnetostrictive liquid level transmitter		Side Connection, Qty 2							
EN 1092-1, DN10-DN100, PN6-PN63 ANSI B16.5, 1/2"-4"class150-class600 Welded end: 1/2"-1 " External thread: G/NPT 1/2"-1 " Internal thread: G/NPT 1/2"-1 " 150mm~6000mm (larger size can be customized according to requirements) Main material 304/316L/316Ti/ double standard 316/316L Rated pressure Maximum 6.4MPa medium temperature -200°C~+450°C float fundamental form Pressure-resistant type Magnetic display body High temperature type (-200~+450°C) liquid level sensor Dry spring liquid level sensor/transmitter Magnetostrictive liquid level transmitter	procedure linkage	Flanges: HG/T 20592, DN10-DN100, PN6-PN63.							
ANSI B16.5, 1/2"-4"class150-class600 Welded end: 1/2"-1 " External thread: G/NPT 1/2"-1 " Internal thread: G/NPT 1/2"-1 " 150mm~6000mm (larger size can be customized according to requirements) Main material 304/316L/316Ti/ double standard 316/316L Rated pressure Maximum 6.4MPa medium temperature -200°C~+450°C float fundamental form Pressure-resistant type Magnetic display body Magnetic display body High temperature type (-200~+450°C) Dry spring liquid level sensor/transmitter Magnetostrictive liquid level transmitter		HG/T 20615, 1/2"-4"class150-class600							
Welded end: 1/2"-1 " External thread: G/NPT 1/2"-1 " Internal thread: G/NPT 1/2"-1 " Internal thread: G/NPT 1/2"-1 " 150mm~6000mm (larger size can be customized according to requirements) Main material 304/316L/316Ti/ double standard 316/316L Rated pressure Maximum 6.4MPa medium temperature -200°C~+450°C float fundamental form Pressure-resistant type Magnetic display body Magnetic Standard type (-50~+200°C) High temperature type (-200~+450°C) Dry spring liquid level sensor/transmitter Magnetostrictive liquid level transmitter		EN 1092-1, DN10-DN100, PN6-PN63							
External thread: G/NPT 1/2"-1 " Internal thread: G/NPT 1/2"-1 " center distance		ANSI B16.5, 1/2"-4"class150-class600							
Internal thread: G/NPT 1/2"-1 " center distance 150mm~6000mm (larger size can be customized according to requirements) 304/316L/316Ti/ double standard 316/316L Rated pressure Maximum 6.4MPa medium temperature -200°C~+450°C float fundamental form Pressure-resistant type Standard type (-50~+200°C) High temperature type (-200~+450°C) Dry spring liquid level sensor/transmitter Magnetostrictive liquid level transmitter		Welded end: 1/2"-1 "							
center distance 150mm~6000mm (larger size can be customized according to requirements) Main material 304/316L/316Ti/ double standard 316/316L Rated pressure Maximum 6.4MPa medium temperature -200°C~+450°C float fundamental form Pressure-resistant type Magnetic display body High temperature type (-50~+200°C) liquid level sensor Dry spring liquid level sensor/transmitter Magnetostrictive liquid level transmitter		External thread: G/NPT 1/2"-1 "							
Main material 304/316L/316Ti/ double standard 316/316L Rated pressure Maximum 6.4MPa medium temperature -200°C~+450°C float fundamental form Pressure-resistant type Magnetic display body High temperature type (-200~+450°C) Dry spring liquid level sensor/transmitter Magnetostrictive liquid level transmitter		Internal thread: G/NPT 1/2"-1 "							
Main material 304/316L/316Ti/ double standard 316/316L Rated pressure Maximum 6.4MPa medium temperature -200°C~+450°C float fundamental form Pressure-resistant type Magnetic Standard type (-50~+200°C) display body High temperature type (-200~+450°C) liquid level sensor Dry spring liquid level sensor/transmitter Magnetostrictive liquid level transmitter	center distance	150mm~6000mm (larger size can be customized according to requirements)							
medium temperature -200°C~+450°C float fundamental form Pressure-resistant type Magnetic display body High temperature type (-200~+450°C) liquid level sensor Dry spring liquid level sensor/transmitter Magnetostrictive liquid level transmitter	Main material								
float fundamental form Pressure-resistant type Magnetic display body High temperature type (-200~+450°C) liquid level sensor Dry spring liquid level sensor/transmitter Magnetostrictive liquid level transmitter	Rated pressure	Maximum 6.4MPa							
Pressure-resistant type Magnetic display body High temperature type (-200~+450°C) liquid level sensor Dry spring liquid level sensor/transmitter Magnetostrictive liquid level transmitter	medium temperature	-200°C∼+450°C							
Magnetic display body High temperature type (-200~+450°C) liquid level sensor Dry spring liquid level sensor/transmitter Magnetostrictive liquid level transmitter	float	fundamental form							
display body High temperature type (-200~+450°C) liquid level sensor Dry spring liquid level sensor/transmitter Magnetostrictive liquid level transmitter		Pressure-resistant type							
liquid level sensor Dry spring liquid level sensor/transmitter Magnetostrictive liquid level transmitter	-	Standard type (-50~+200°C)							
Magnetostrictive liquid level transmitter	aisplay body	High temperature type (-200~+450°C)							
	liquid level sensor	Dry spring liquid level sensor/transmitter							
Magnetic switch Magnetic switch		Magnetostrictive liquid level transmitter							
	Magnetic switch	Magnetic switch							



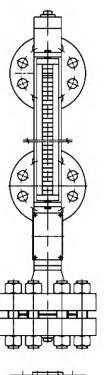


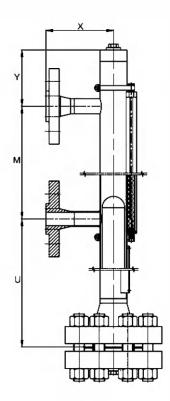


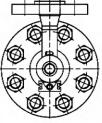
X=150mm or determined according to the connection requirements. Y=120mm (welding cap) 125mm (flat head) 150mm (flange) U= float length -30mm (≥220mm, ≤4.0MPa) (≥250mm, or ≥290mm≤6.4MPa, Depending on the bottom flange)

Magnetic column level meter high pressure LSM10-B

Parameter								
shunt valve	φ65x3.5mm, max. 10.0MPa							
	φ69x6mm, max. 10.0MPa							
	Φ φ60.3x3.91mm, maximum 10.0MPa.							
	Ф 665 x 3.5 mm, maximum 10.0MPa.							
	φ69x6mm, max. 10.0MPa							
	Φ φ60.3x3.91mm, maximum 10.0MPa.							
Top of	Flat head with BSP 1/2 "vent plug (> > 2.5MPa)							
bypass pipe	flange							
bypuss pipe	air vent valve							
	Ventilation flange							
Bottom of	Flange with BSP 1/2 drain plug							
bypass pipe	blow-down valve							
	Blowdown flange							
	Side Connection, Qty 2							
procedure linkage	Flanges: Hg/T 20592, DN15-DN100, PN63-PN400.							
	HG/T 20615, 1/2"-4"class600-class2500							
	EN 1092-1, DN10-DN100, PN63-PN400							
	ANSI B16.5, 1/2"-4"class600-class2500							
	Welded end: 1/2"-1 "							
	External thread: G/NPT 1/2"-1 "							
	Internal thread: G/NPT 1/2"-1 "							
center distance	150mm~6000mm (larger size can be customized according to requirements)							
Main material	304/316L/316Ti							
Rated pressure	Maximum 10.0MPa							
Medium temperature	-200°C~+450°C							
float	Pressure-resistant type							
	Ball float							
	Solid float							
Magnetic display body	Standard type (-50~+200°C)							
	High temperature type (-200∼+450°C)							
liquid level sensor	Dry spring liquid level sensor/transmitter							
	Magnetostrictive liquid level transmitter							
Magnetic switch	Magnetic switch							



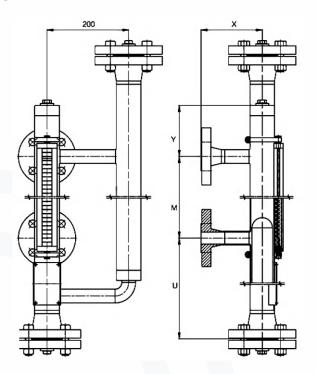




X=150mm or 180mm (depending on the connecting flange) Or according to the connection requirements. Y=125mm (flat head) 210mm (flange) U= float length--30mm (≥290mm, 10.0MPa) Float length -C mm (≥300mm, 16.0MPa)

Double-cavity LSM10-C magnetic column level gauge

Parameter								
shunt valve	φ60.3x2mm, max. 4.0MPa							
-	Φ φ60.3x2.6mm, max. 6.4MPa							
	φ60.3x2.77mm, max. 6.4MPa							
Top of	Welding cap (≤2.5MPa)							
bypass pipe	Flat head with BSP 1/2 "vent plug (> > 2.5MPa)							
	flange							
	air vent valve							
	Ventilation flange							
Dattam of	Flange with BSP 1/2 drain plug							
Bottom of bypass pipe	blow-down valve							
	Blowdown flange							
	Side Connection, Qty 2							
procedure linkage	Flanges: HG/T 20592, DN10-DN100, PN6-PN63.							
	HG/T 20615, 1/2"-4"class150-class600							
	EN 1092-1, DN10-DN100, PN6-PN63							
	ANSI B16.5, 1/2"-4"class150-class600							
	Welded end: 1/2"-1 "							
	External thread: G/NPT 1/2"-1 "							
	Internal thread: G/NPT 1/2"-1 "							
Top connection	Flanges: HG/T 20592, DN50-DN100, PN6-PN63.							
Extended sensor	HG/T 20615, 2"-4"class150-class600							
	EN 1092-1, DN50-DN100, PN6-PN63							
	ANSI B16.5, 2"-4"class150-class600							
	Flat head with internal thread: G/NPT 1/2"-1 "							
center distance	150mm~6000mm (larger size can be customized according to requirements)							
Main material	304/316L/316Ti/ double standard 316/316L							
Rated pressure	Maximum 6.4MPa							
medium temperature	-200°C~+450°C							
float	fundamental form							
	Pressure-resistant type							
/lagnetic	Standard type (-50~+200°C)							
lisplay body	High temperature type (-200~+450°C)							
liquid level sensor	Dry spring liquid level sensor/transmitter							
,	Magnetostrictive liquid level transmitter							
	Guided wave radar level meter							
Magnetic switch	Magnetic switch							
- "								



X=150mm or determined according to the connection requirements.

Y=120mm (welding cap)

125mm (flat head) 150mm (flange) U= float length -30mm (≥220mm, ≤4.0MPa)

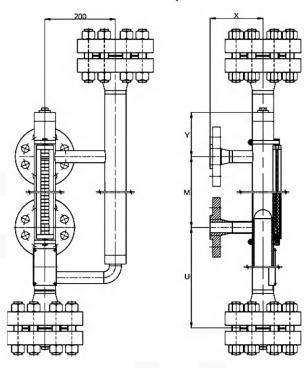
(≥260mm, or ≥290mm≤6.4MPa,

Depending on the bottom flange)



Magnetic column level gauge LSM10-D with high pressure and double cavity

Parameter								
shunt valve	φ65x3.5mm, max. 10MPa							
	φ69x6mm, max. 10MPa.							
	φ60.3x3.91mm, max. 10MPa.							
	φ60.3x3.91mm, max. 10MPa.							
	φ73x7.01mm, max. 10MPa							
Top of	Flat head with BSP 1/2 "vent plug (> > 2.5MPa)							
bypass pipe	flange							
bypuss pipe	air vent valve							
	Ventilation flange							
Bottom of	Flange with BSP 1/2 drain plug							
bypass pipe	blow-down valve							
	Blowdown flange							
	Side Connection, Qty 2							
procedure linkage	Flanges: Hg/T 20592, DN10-DN100, PN63-PN100.							
	HG/T 20615, 1/2"-4"class600-class1500							
	EN 1092-1, DN10-DN100, PN63-PN160							
	ANSI B16.5, 1/2"-4"class600-class1500							
-	Welded end: 1/2"-1 "							
-	External thread: G/NPT 1/2"-1 "							
	Internal thread: G/NPT 1/2"-1 "							
Top connection	Flanges: Hg/T 20592, DN10-DN100, PN63-PN100.							
Extended sensor	HG/T 20615, 1/2"-4"class600-class1500							
Exterior series	EN 1092-1, DN10-DN100, PN63-PN160							
	ANSI B16.5, 1/2"-4"class600-class1500							
	Flat head with internal thread: G/NPT 1/2"-1 "							
center distance	150mm~6000mm (larger size can be customized							
Main material	according to requirements) 304/316L/316Ti							
Rated pressure	Maximum 10.0MPa							
medium temperature	-200°C~+450°C							
float	Pressure-resistant type							
nout	Ball float							
	Solid float							
Magnetic								
Magnetic display body	Standard type (-50~+200°C)							
	High temperature type (-200~+450°C)							
liquid level sensor	Dry spring liquid level sensor/transmitter							
-5551	Magnetostrictive liquid level transmitter							
	Guided wave radar level meter							
Magnetic switch	Magnetic switch							

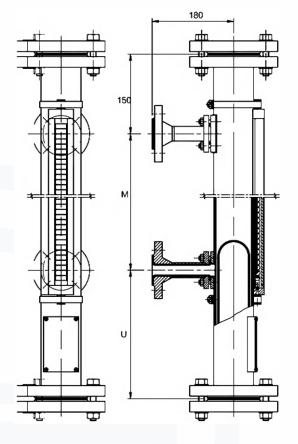


X=150mm or 180mm (depending on the connecting flange)
Or according to the connection requirements.
Y=125mm (flat head)
210mm (flange)

U= float length--30mm (≥290mm, 10.0MPa) Float length -C mm (≥300mm, 16.0MPa) C≤45mm)

Magnetic column level gauge corrosion-resistant LSM10-E

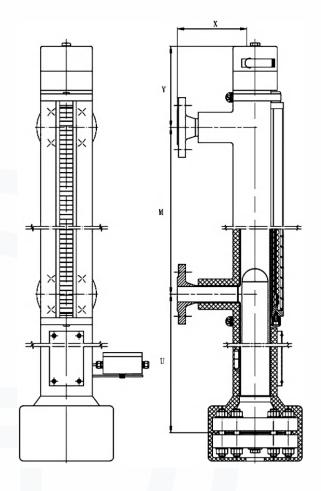
Parameter										
Main material	304/316L/316Ti									
	E-CTFE (internal coating)	PTFE (internal coating)								
shunt valve	φ64x2mm φ70x2mm φ70x2mm									
Rated pressure	Maximum 1.6MPa Maximum1.6MPa Maximum1.6M									
Top of bypass pipe	Ventilation flange	e ≥DN20 goods NF	2S3/4 "							
Bottom of bypass pipe	Discharge flange	≥DN20 goods NP	S3/4 "							
procedure linkage	Side Connection, Qty 2									
	Flanges: HG/T 20592, DN15-DN100, PN6-PN40.									
	HG/T 20615, 1/2"-4"class150-class300									
	EN 1092-1, DN10-DN100, PN6-PN40									
	ANSI B16.5, 1/2"	-4"class150-class30	00							
Center distance	150mm~5000mm each segment is	n (segmented beyo directly connected	nd the need, with flange)							
Medium temperature	-45°C~+150°C (d	epending on medi	um)							
Float	Corrosion-resistant type									
Magnetic display body	Standard type (-50~+200°C)									
liquid level sensor	Dry spring liquid level sensor/transmitter									
	Magnetostrictive liquid level transmitter									
Magnetic switch	Magnetic switch									



U= float length (≥220mm)

Electric heating LSM10-F for magnetic column level gauge

shunt valve	φ60.3x2mm, max. 4.0MPa							
Sharit valve	Φ φ60.3x2.6mm, max. 6.4MPa							
_	φ60.3x2.77mm, max. 6.4MPa							
	Flat head with BSP 1/2 "vent plug (> > 2.5MPa)							
Top of	flange							
bypass pipe	air vent valve							
	Ventilation flange							
Dottom of	Flange with BSP 1/2 drain plug							
Bottom of bypass pipe	blow-down valve							
_	Blowdown flange							
procedure linkage	Side Connection, Qty 2							
procedure linkage	Flanges: HG/T 20592, DN15-DN100, PN6-PN100.							
_	HG/T 20615, 1/2"-4"class150-class900							
_	EN 1092-1, DN15-DN100, PN6-PN160							
-	ANSI B16.5, 1/2"-4"class150-class900							
	Welded end: 1/2"-1 "							
_	External thread: G/NPT 1/2"-1 "							
_	Internal thread: G/NPT 1/2"-1 "							
center distance	150mm~6000mm							
Main material	304/316L							
Manifilatorial	Detachable, with a thickness of 10~20mm.							
Insulation sleeve	Filling material: glass fiber							
-	Fabric material: glass fiber-based fabric coated with silica ge							
Rated pressure	Maximum 10.0MPa							
Medium temperature	-40°C∼+200°C							
float	fundamental form							
	Pressure-resistant type							
Magnetic display body	Standard type (-50~+200°C)							
liquid level sensor	Dry spring liquid level sensor/transmitter							
	Magnetostrictive liquid level transmitter							
Magnetic switch	Magnetic switch							
electric tracing	Rated voltage AC 230V							
-	Output power is 47.2W							
-	Maximum maintenance temperature +120°C							
_	Maximum exposure temperature +190℃							
	Minimum installation temperature -10°C							

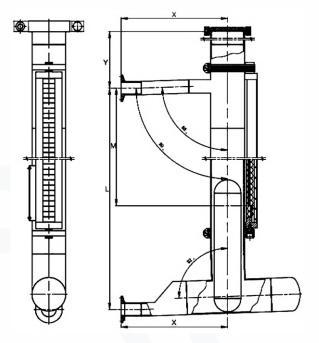


 $X=180 \mathrm{mm}$ or determined according to connection requirements. $Y=125 \mathrm{mm}$

Y=125mm
U= float length -30mm (≥220mm)
Float length -30mm (≥290mm)
(according to the bottom flange)

Sanitary LSM10-G for magnetic column level gauge

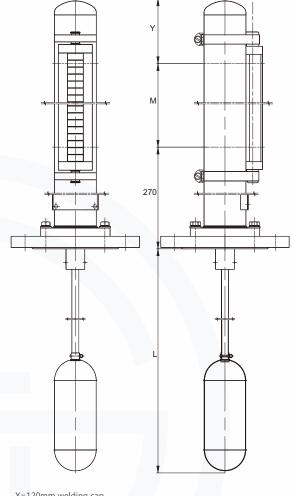
Parameter									
Shunt valve	φ63x1.65mm, maximum 1.1MPa								
Top of bypass pipe	ce Clamping type sealing cap and high-pressure clamp								
Bottom of bypass pipe	Non-effusion tee and eccentric reducer								
procedure linkage	Side Connection, Qty 2								
	Clamping type interface: ASME BPE 1"-2 "								
	Non-effusion inclined tube								
design standards	ASME BPE								
Measuring range m	300mm~6000mm								
Center distance I	According to m and float length								
Main material	Electro-polishing of stainless steel 316L								
Pipe fittings	The internal and external finish is better than Ra0.8.								
Rated pressure	Maximum 1.1MPa								
medium temperature	-45°C∼+120°C								
float	Pressure-resistant type: material: stainless steel 316L electropolishing.								
Magnetic display body	Standard type (-50~+200°C)								
liquid level sensor	Dry spring liquid level sensor/transmitter								
	Magnetostrictive liquid level transmitter								
Magnetic switch	Magnetic switch								



X=242mm or determined according to the connection requirements. Y=135mm U=M+ float length -63mm

Basic LSM10-S is placed on top of magnetic column level gauge.

Parameter								
Тор ріре	φ60.3x2mm, max. 4.0MPa							
Top of	Welding cap (≤2.5MPa)							
overhead pipe	Flat head with BSP 1/2 "vent plug (> > 2.5MPa)							
	air vent valve							
_	Ventilation flange							
procedure	Flanges: HG/T 20592, DN50-DN250, PN6-PN40.							
linkage	HG/T 20615, 2"-10"class150-class300							
-	EN 1092-1, DN50-DN250, PN6-PN40							
	ANSI B16.5, 2"-10"class150-class300							
Insertion depth I	500mm~4500mm							
Measuring range m	M≤L-50- length of float							
Main material	304/316L							
Rated pressure	Maximum 4.0MPa							
Medium temperature	-60°C~+300°C							
float	pillar							
	sphericity							
Magnetic	Standard type (-50~+200°C)							
display body	High temperature type (-200~+450°C)							
liquid level sensor	Dry spring liquid level sensor/transmitter							
	Magnetostrictive liquid level transmitter							
Magnetic switch	Magnetic switch							





Body End Option-Top Structure (Example)

Top structure (example)



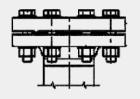
weld cap



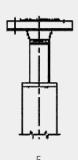
Flat head
With BSP 1/2 "vent plug



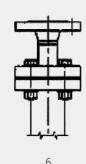
Flange with BSP 1/2 "vent plug



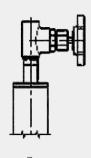
flange
Such as: EN 1092 tenon/
groove sealing surface



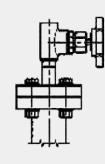
Flat head with ventilation flange



Flange with vent flange



Flat head with vent valve



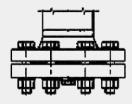
Flanged vent valve

Other top structures can be customized according to requirements.

Bottom structure (example)



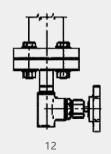
Flange belt G/NPT 1/2 "drain plug



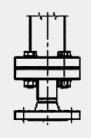
10 Flange (e.g. EN 1092) Tenon/groove sealing surface) with drain plug



Flanged blowdown nozzle



Flanged drain valve

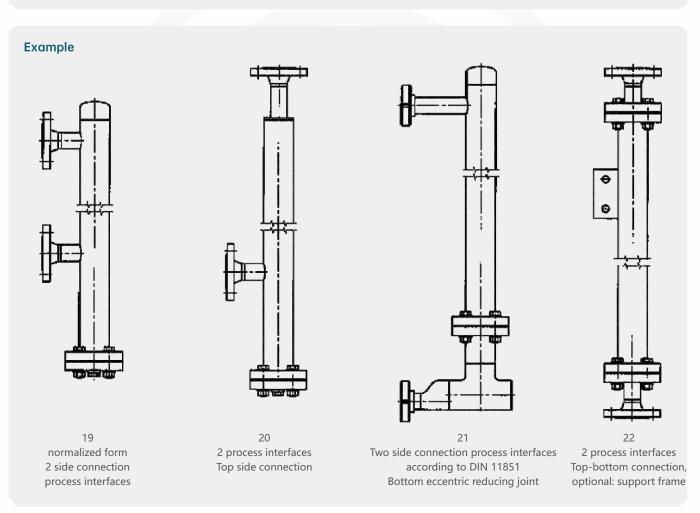


13 Flange with blowdown flange

Other bottom structures can be customized according to requirements.

Optional process interface

Bottom structure (example) 14 Necked flange Ping falan Necked flange Necked flange



LSM10-Selection and composition Selection example LSM10 $^{\prime}$ J $^{\prime}$ D $^{\prime}$ Y $^{\prime}$ G $^{\prime}$ N $^{\prime}$ 2500/ Y $^{\prime}$ A $^{\prime}$ R $^{\prime}$ 2 $^{\prime}$ S $^{\prime}$ Z $^{\prime}$ V $^{\prime}$ N

Sele	ection exa	ımple L	SMIU	1							
1.Basic model	I	Side-	mount	ted magnetic column level gauge							
	J	Top-n	nounte	ed magnetic column level gauge							
2.Process	flange	Α	DN25	;							
specificat	specification			2							
		С	DN40)							
		D	DN50)							
		Е	DN65)							
		F	DN80								
		G	DN10	0							
		Н	DN12	5							
		ı	DN15	0							
		J	DN20	00							
		K	DN25	50							
		L	3/8"								
		M	1/2"								
		N	3/4"								
		0	1"								
		Р	11/4"								
		Q	1½"								
		R	2"								
		S	2½"								
		U	3"								
		V	3½"								
		W	4"								
		X	5"								
		Υ	6"								
		Z	8"								
		T()	Other	r connection specifications							
3.Pressu	ressure	rating	Z	PN10							
of t	of flange		Υ	PN16							
			X	PN25							
			W	PN40							
			V	PN60							
			U	PN100							
			Т	Class150							
			S	Class300							
			R	Class400							
			Q	Class600							
			T()	Other pressure levels							





LSM10-Selection and composition

		_	DE :								
Types of floealing surfo		G	RF ty								
eding surre	1003	H	RTJ ty								
			FF ty								
		J	ST ty								
		K	SG ty								
		T()		types			1.	• • • •			
	quid le ismitt		N		d level						
tran	13111111	.01	0		netostr						
			Р		ed wav						
	6.m		g range	M()				two pi	rocess	interf	aces (unit: mm)
		7.0	ntology n	naterial	W	304S	S				
					X	316L					
					Υ		PTFE				
					Z	316+					
					S	titan					
					R		elloy b				
					Q		elloy c				
					Р		-	loride	PVC		
					0		oropyle				
					N			ene flu	oride P	VDF	
					K		ation j				
					L		ric tra				
					М		r mate				
			8.Co	lumn-turni	ing display	Α					rnover column
						В					urnover column
						С					ic turnover column
						D	Stain				mic turnover column
				9.	scale p	late	R		uated		
					10.1	يره ما مور دا	E				eelruler
					ma	gnetic s	of witches	N()			umber of switches)
						11	.Magne	etic	S		mally open type
						SV	vitcii ty	he	С		mally closed type
									D		er types
							12.	Float m	aterial	Z	304SS
										Т	316L
										М	Titanium
										L	Hastelloy b
										K	Hastelloy c
										J	Polyvinyl chloride PVC
										I	Polyvinylidene fluoride PVDF
										Н	304+PTFE
										G	316+PTFE





LSM10-Selection and composition

Sele	ection ex	ample LSM10	′ J /	′ D /	′ Y /	G /	$^{\prime}$ N $_{_{ m J}}$	/2500/	Υ ,	/ A /	/ R /	′2/	′s /	′ z /	V /	N
			2	3	4			6 7	8	3 9	1	0 1	1 1:	2 13	3 14	4

13.Pr	ecision	V	±10m	nm
	14.Explos	sion	Α	Intrinsically safe explosion-proof
	proof typ	эе	В	Flameproof
		No explosion-proof		

Instructions:

It indicates that LSM10 magnetic tipping column is an overhead magnetic tipping column level gauge, with flange specification of DN50, pressure resistance grade of PN16, flange sealing surface of RF type, equipped with liquid level transmitter, measuring range of 2500mm, made of 304 stainless steel +PTFE, tipping column displayed as aluminum shell, plastic tipping column with graduated scale, number of magnetic switches is 2, switch type is normally open, float material is 304 stainless steel, and accuracy is ±10mm.



Product Certification

Compliance and approval; Rodwig flow meters meet key standards and certifications for process measurement technology; To ensure the highest reliability in such settings;









