



Parto Sahand Ara

LGM-TM LEVEL GAUGE

Level Gauge Top Mount





Level Gauge Top Mount Model: LGM-TM

Application

- Chemical, petrochemical, natural gas, offshore industries
- Shipbuilding, machine building
- Power generating equipment, power plants
- Pharmaceutical, food and beverage industries, process water and drinking water treatment

Description

The level indicator consists of a measuring chamber, a float with guide rod and a magnetic system. Mounting onto the vessel is made via appropriate process connections (flange, thread). The permanent magnetic system, which is connected to the float via a guide rod, transmits the liquid level measured in the vessel by the float, contact-free, to the magnetic display mounted to the outside of the measuring chamber. In this magnetic display there are red/white plastic rollers or stainless steel flaps with bar magnets fitted at 10 mm intervals. The magnetic rollers or flaps are turned 180° through the walls of the measuring chamber. For an increasing level from white to red; for a falling level from red to white. Thus the magnetic display indicates the level of a vessel as a red column, without power supply.

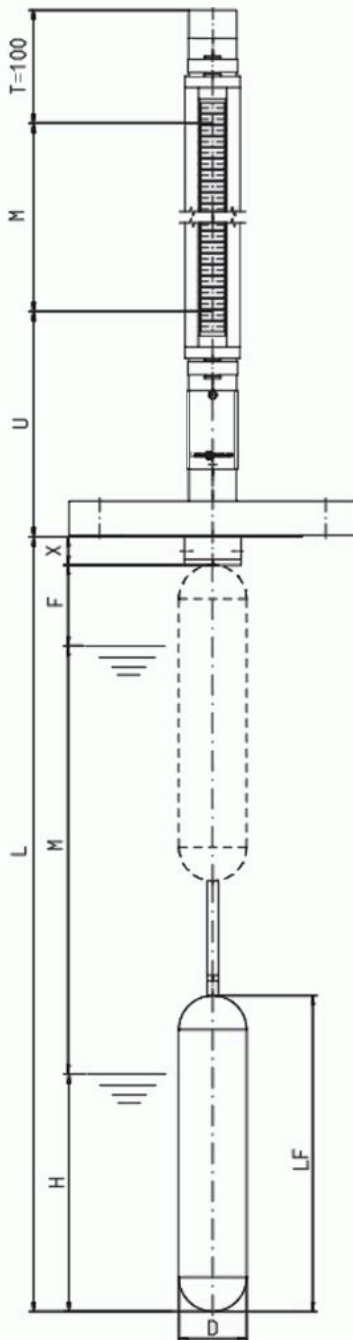
- Process- and procedure-specific production
- Operating limits: Operating temperature: $T = -60 \dots +300 \text{ }^{\circ}\text{C}$
Operating pressure: $P = \text{Vacuum to } 40 \text{ bar}$
- Wide variety of different process connections
- Mounting of level sensors and magnetic switches possible as an option
- Explosion-protected versions





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Further special features

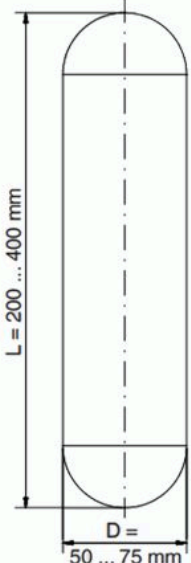



Specifications	
Measuring chamber	Ø 42.4 x 2 or Ø 42.2 x 2.77
Chamber end top	Flat top or pipe cap Options: Vent plug G 1/2"
Process connection	Mounting thread G 2" Mounting flange DIN EN 1092-1: DN 50 ... DN 250, PN 6 ... PN 64 ASME B 16.5: 2" ... 10", class 150 ... 600
Material	Measuring chamber, process connection Guide rod Float
	Stainless steel 1.4571 (316 Ti), 1.4401/1.4404 (316/316L) Titanium 3.7035 Stainless steel 1.4571 or titanium 3.7025 other materials on request
Nominal pressure	max. 40 bar
Temperature range	1.4571 (316 Ti) (-120 ... +300 °C) 1.4401/1.4404 (316/316L) (-196 ... +300 °C)
Max. insertion length L	3,000 mm Other versions on request With large lengths and lateral flows, a stilling well is recommended.
Top stand-off T	Standard 100 mm
Bottom stand-off U	min. 140 mm
Guiding sleeve length X	min. 25 mm
Magnetic display	Model BMD-SA: < 200 °C/Model BMD-FA: > 200 °C
Further options	Magnetic switch Reed sensor
	Model BGU/Model BLR,



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Overview of floats

Float	Form	Material	Pressure range
	Cylinder (ZVS... / ZTS...)	Stainless steel 1.4571 or titanium	to 40 bar
	Ball (V... / T...)	Stainless steel 1.4571 or titanium	to 40 bar



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Order Code

LGM-TM Configuration	
1	Process Connection
	80 3" DN80
	100 4" DN100
	* Other - please specify
2	Nominal Pressure Rating DIN
	C1 Class 150
	C2 Class 300
	C3 Class 600
	C4 Class 900
	C5 Class 1500
	C6 Class 2500
	P1 PN 10
	P2 PN 16
	P3 PN 40
	P4 PN 63
	P5 PN 100
	P6 PN 160
* Other - please specify	
3	Material
	S 316L SS
	* Other - please specify
4	Length(L)
	*** ???
5	Operating temperature
	*** ???
6	Operating pressure
	*** ???
7	Operating density
	*** ???

Additional order details _____

LGM-TM -

1 2 3 4 5 6 7



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