

LMT 01

MAGNETIC FLOAT OPERATED LEVEL TRANSMITTER

Features

- Magnetic Float Operated Principle
- Reliable Continuous Level Measurement
- Suitable for Liquids & Slurries
- 4–20 mA Output
- 2 Wire System
- Electronics Protection Class : Weatherproof IP-66, Flameproof (CMRI IIA IIB Certified)

Description

Electronet series LMT-01 are magnetic float operated level transmitters. The inbuilt level sensor is consisting of a float & guide tube made of non-magnetic material to achieve undisturbed magnetic flux. The float has magnetic system within it & moves along the guide tube which contains glass encapsulated hermitically sealed reed switches. Float follows level & magnetically actuates reed switches & provides continuous 4 - 20 mA DC output.



Technical Specifications

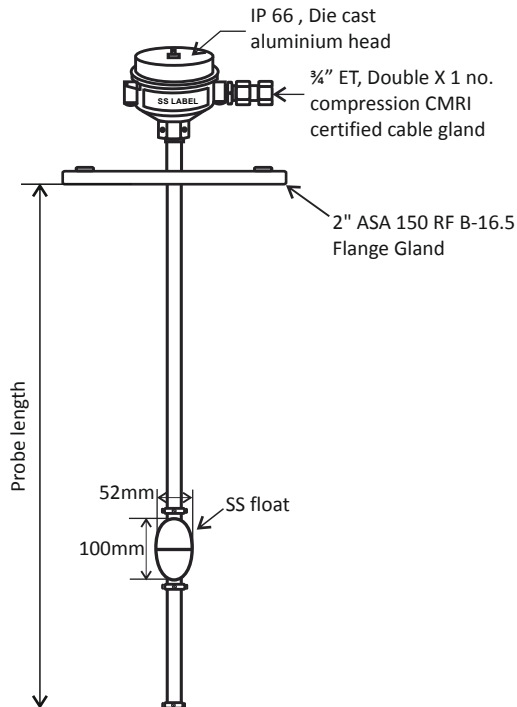
Probe Length	As per requirement (max 2 mtr.)
Probe Type	Single Rod (Upto 2000 mm)
Type of Output	4 to 20 mA DC, 2 Wire
Accuracy	+/- 10 mm
Linearity	+/- 0.5% for probe length 3 mtr.
Process Temperature	55°C max
Process Pressure	10 kg/cm ² max
Probe MOC / Transducer	1) SS316 2) PTFE 3) Hastelloy C 4) PP
Float MOC	SS / PP (Depending on Process Fluid - Factory selected)
Float Dimensions	Dia 54 mm, Height 106 mm
Power Supply	24V DC (+/- 10%), 24V DC Two Wire Loop Powered
Response Time	< 1000 mSec
Temperature Coefficient	+/- 0.1% per °C
Electronic Protection Class	Weather Proof IP-67 / Flameproof (CMRI IIA IIB Certified)
Process Connections	1) 2" PVC Flanged 2) 2" SS316 Flanged
Mounting	Top of the tank
Ambient Conditions	Temperature 0 to 70°C / Humidity 5 to 95% non condensing at 25°C
Display	LCD Display

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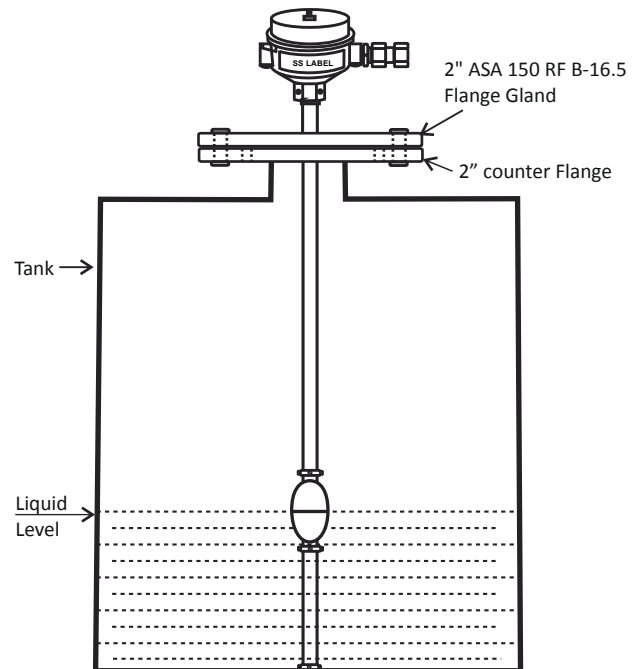
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Assembly Overview



Installation Details



Ordering Information

Sample Order Code : LMT 01-A1-B1-C1-D1-E1

Parameter	Code	Description
A	Measuring Range	A1 300 mm
		A2 600 mm
		A3 1000 mm
		A4 2000 mm
B	Electronics Area Classification	B1 Field Mount Weather Proof IP67
		B2 Flameproof (CMRI IIA IIB Certified)
C	Electrical Connection	C1 M 20 x 1.5 (F)
		C2 1/2 inch NPT (F)
		C3 DIN 43650 / Circular Metal Connector

Parameter	Code	Description
D	MOC Electronics Enclosure	D1 Die Cast Aluminium
		D2 SS316
E	Process Connection	E1 1 1/2 inch BSP (M)
		E2 2 inch PVC Flanged
		E3 2 inch SS-316 Flanged
		EY Other

Note : ■ Due to our continuous product revisions, design specification and model numbers are subject to change without notice.
 ■ Accuracy defined at Lab Conditions.
 ■ For other requirement please consult factory.
 ■ This product is meant for laboratory/Process application only and not for custody transfer application.

ELECTRONET EQUIPMENTS PVT. LTD.



Manufacturing Unit - I & Registered Office

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