

LMS 01

MAGNETIC FLOAT OPERATED LEVEL SWITCH

Features

- Simple, Low Cost and Reliable
- Trouble free operation of conductive / non conductive Liquids, slurries
- Switch output potential free Relay Contact
- Electronics Protection Class : Weatherproof IP 67, Flameproof (CMRI IIA IIB Certified)

Description

Electronet series LMS 01 are magnetic float operated level switches. 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 switching output at desired preset level.



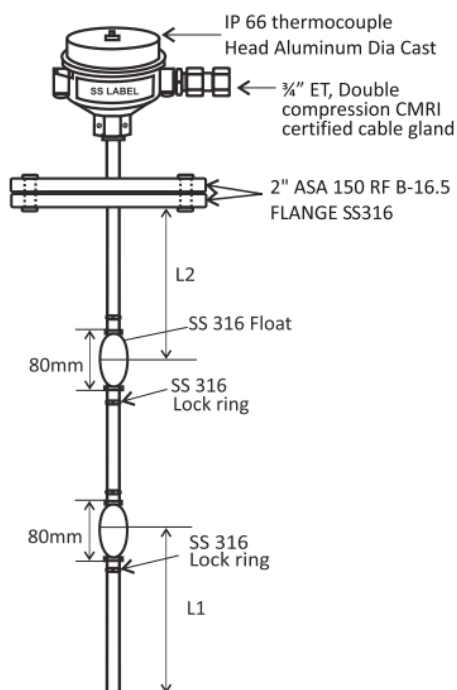
Technical Specifications

Measuring Range	100 mm to 2000 mm
Probe Dia	ID 21 mm, OD 25 mm
Accuracy	+/- 2% F. S.
Process Temperature	100°C max
Process Pressure	10 kg/cm2 max
Probe MOC / Transducer	1) SS316 2) PTFE 3) Hastelloy C 4) PP
Type of Output	Potential free Relay Contact - 1 no.
Contact Rating	1 c/o, 1 Amp.
Power Supply	24V DC (+/-10%)
Output	Relay - Potential Free Contact (1 NO + 1 NC)
Response Time	< 1000 mSec
Temperature Coefficient	+/- 0.01% per °C
Electronic Protection Class	Weather Proof IP-67 / Flameproof (CMRI IIA IIB Certified)
Process Connection	1½" BSP Threaded 2" BSP Threaded (M) 2" SS-316 Flanged
Mounting	Top of the tank
Ambient Conditions	Temperature 0 to 70°C / Humidity 5 to 95% non condensing at 25°C

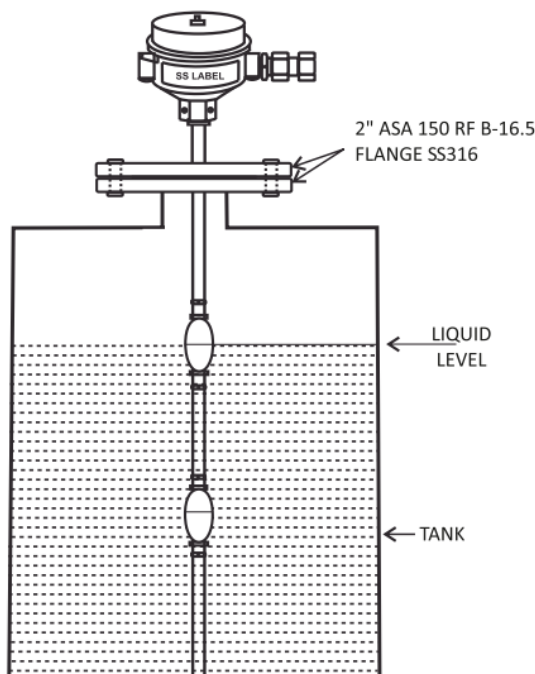
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Assembly Overview



Installation Details



Ordering Information

Sample Order Code : LMS 01-A1-B1-C1-D1-E1-F1

Parameter	Code	Description
A	Measuring Range	A1 Upto 100mm
		A2 Upto 1000mm
		A3 Upto 2000mm
B	Power Supply	B1 24V DC
		BX NA
C	Number of Set Point	C1 One
		C2 Two
		C3 Three
		C4 Four

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.

Parameter	Code	Description
D	Number of Set Point	D1 Open Collector
		D2 Potential free relay output
		D3 PNP Output
		D4 Direct Reed Switch Output (Mx 100 mA Load)
E	Probe & Float MOC	E1 PVC
		E2 PTFE
		E3 SS-316
		EY Other
F	Process Connection	F1 1½" BSP Threaded
		F2 2" BSP Threaded (M)
		F3 2" SS-316 Flanged
		FY Other

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