

MAGNETIC OIL LEVEL GAUGE 'MFDG'

Simple & reliable gauge for oil level indication in tanks.

CONSTRUCTION & OPERATION

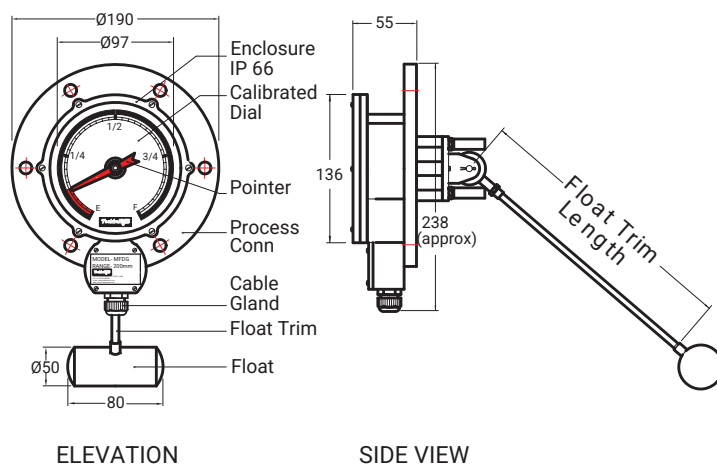
It consists of a float with an extended arm, which moves in a span of 90° in a vertical plane from bottom to top corresponding to tank empty & full condition. The change in liquid level is picked up by the float & transmitted to the pointer, moving on calibrated dial through gear mechanism & set of magnets.

SPECIFICATIONS

Enclosure	: Cast Al, IP 66
Measuring Range	: 200 - 1200 in steps of 100mm
Calibrated Dial	: Al x White Powder Coated x Black Graduations /Numericals
Indication Markings	: E, 1/4, 1/2, 3/4 & F
Float	: SS304 or PU x Ø50 mm
Process Flange	: Cast Al x Ø190 x 165 PCD x 6 h - Ø12 mm
Liquid Density	: $\geq 0.8 \text{ g/cm}^3$
Max. Temperature	: 70 °C (PU float), 100 °C (SS float)
Max. Pressure	: 4 Kg/cm ²
Installation	: Side Mounted (at center of tanks)

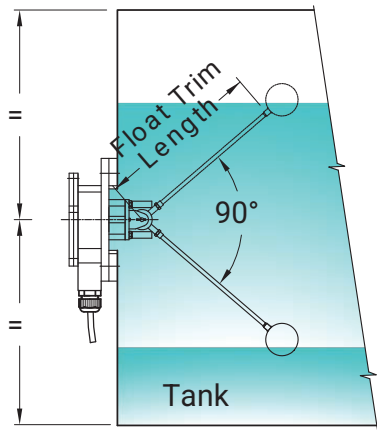
Alarm Switches (Optional)

Switch Type	: Micro switch, Monostable
Switch Rating	: 5A, 230VAC x SPDT
No. of Contacts	: Two (High & Low)
Cable Gland	: Polyamide x PG 7



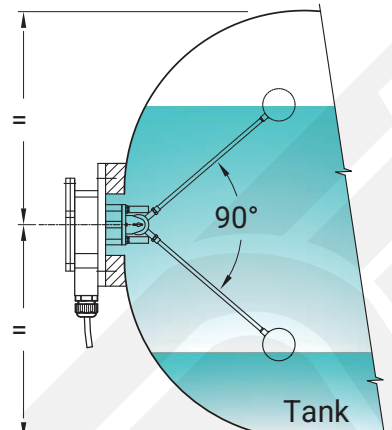
INSTALLATION

a) Gauge mounted centrally on flat wall of Tank



Rectangular Tank

b) Gauge mounted on circular wall of Tank



Cylindrical Tank

SERVICE

Transformer Oil, Diesel, Fuel Oil

MODEL IDENTIFICATION

	MFDG -	J	1	x Measuring Range
1. Enclosure				
Cast Al. IP66		J		
Others		O		
2. Output				
Local Indication Only			1	
Local Indication & One Switch			2	
Local Indication & Two Switches			3	

ORDERING INFORMATION

Model No. x Liquid along with its density x Optg. Temperature & Pressure

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*All dimensions in mm except specified