

# Techtrol Dipstick Level Gauge 'DLG'



Simple & economical level gauge for local liquid level indication in underground tanks or sumps where conventional side mounted gauges cannot be installed.

## Construction & Operation :

It consists of a rigid stem holding float at its lower end and red colored capsule at its upper end which moves inside the tubular gauge glass. This glass gauge is mounted on process flange through a gland packing system and protected by channel guards fitted with calibrated scale. As such "rising or falling liquid level" in the tank is indicated by the capsule moving inside the gauge. The gauge can be provided with max. 4 nos. of adjustable alarm switches as an option. The switch comprises a hermetically sealed reed switch housed in ss tube and each switch is located on channel corresponding to its preset levels. The switch is actuated by the magnetic capsule on reaching the corresponding preset level .

## Specifications:

Mounting	: Top
Measuring Range	: 500 - 3000 mm
Gauge Glass	: 16mm OD Borosilicate glass tube (HW)
Indicator	: Red PP capsule
Stem	: SS316 , PVDF ctd SS
Float	: SS316 x 75 mm dia
Gland Packing	: Neoprene
Gland	: CI
Guards	: Steel `C' Channel
Calibrated Scale	: Polycarbonate (LC=2mm)
Process Flange	: CS, 100 NB, ANSI 150# flange
Max. Temp	: 100°C
Max. Test Pr. (amb temp)	: 5 Kg/cm <sup>2</sup>
Min Liquid Density	: 0.8 g/cm <sup>3</sup>

## Options :

### a) Alarm Switch (adjustable)

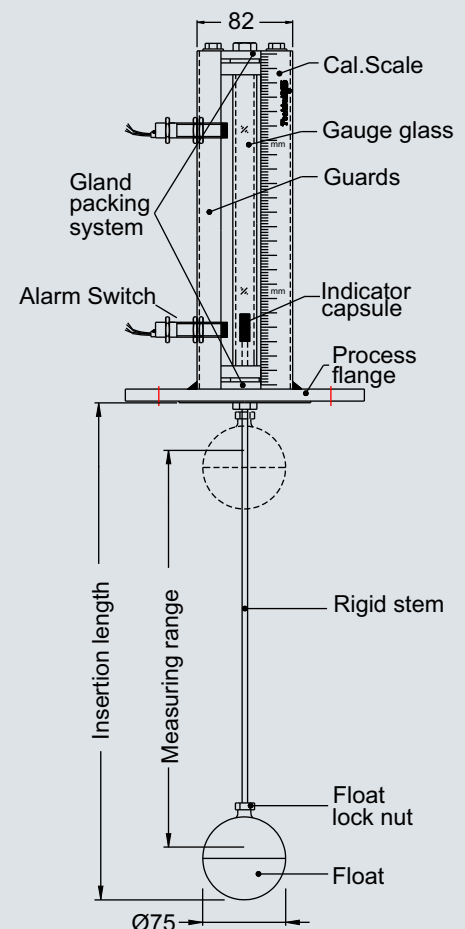
Switch Type	: Hermetically sealed reed switch
Switch Action	: Monostable
Contact Rating x Form	: 40VA x NO
Switch Housing	: SS304
Termination	: Epoxy potted x1.5 mtrs PVC cable

### b) Still Well

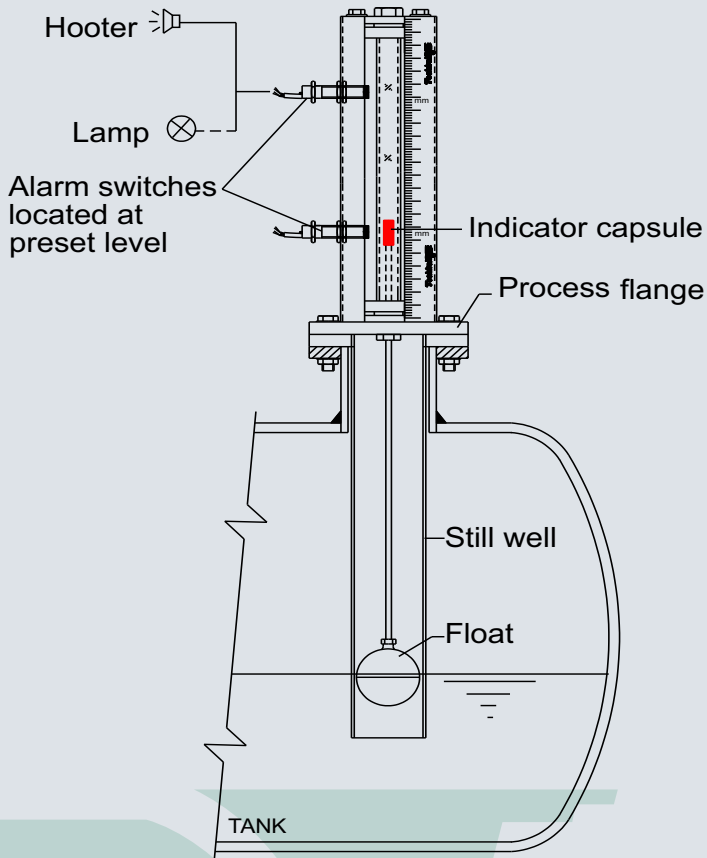
MOC	: CS x 80NB pipe
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## Schematic Diagram



## Installation :



Gauge is mounted on the tank top. Still well is recommended to isolate gauge float from turbulence in liquid. Switches can be connected to hooter / lamp for alarm generation or control and monitor liquid level in the tank.

## Applications :

Underground Tanks / Sumps, Hydraulic power pack, Coolant tanks.

## Service :

Diesel, HSD, LDO and Water

## Model Identification

	DLG-						x Insertion length (mm)
<b>Float &amp; Stem MOC</b>							
SS316	S						
PVDF ctd. SS	V						
Others	O						
<b>Process Flange MOC</b>							
CS	C						
Others	O						
<b>Process Flange Size</b>							
100NB, ANSI 150#					1		
Others					O		
<b>Alarm Switches</b>							
Not Provided						W	
One						1	
Two						2	
Three						3	
Four						4	
<b>Still well</b>							
Not Provided						W	
CS						1	
Others						O	

## Order Information :

Model No along with liquid and its density of Liquid x Optg. Press & Temp x Insertion Length

Units in mm

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Custom built specs./options available on demand.

We reserve the right to modify design and specifications without prior notice.



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