

Techtrol Mini Dispstick Level Gauge- MDG



To monitor and control level & temperature of liquids in small tanks.

Construction & Operation

It consists of a float holding stem with magnetic system in indicating capsule at its top end, moving inside the gauge glass corresponding to rising & falling level in tank to indicate liquid level visually. Optionally, it can have one or two alarm switches to actuate alarm contact at preset level. As an additional option, it can have sensor and a temperature controller to monitor and control liquid temperature.

Specifications

Mounting	: Top
Measuring Range	: 100 to 300mm
Gauge	: Ø25, Borosilicate Glass
Indicator	: Red PP Capsule
Guards	: 4 nos x SS304 Tie rods
Float	: Polyurethane, 35 OD x 40 H
Process Flange	: CS, 92B x 52W with 84.5 PCD
Gland Packing	: Silicon Rubber
Max. Temperature	: 70°C
Max. Pressure	: Atmospheric
Min Liquid Density	: 0.8 g/cm ³

Options

1. Adjustable Alarm Switches (max. 3nos)

Switch	: Hermetically sealed Reed Switch
Switch Action	: Monostable
Switch Rating x Form	: 40VA x NO
Switch Enclosure	: SS304
Termination	: Epoxy potting x 1.5mts cable extrn.

2. Temperature Sensor

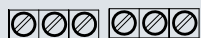
Element	: Pt-100 (3 Wire)
Temperature	: 0 to 100 °C
Protective Sheath	: SS304 x 6mm OD
Termination	: Epoxy potted x 1 mtr cable extrn.

3. Temperature Controller (Integral or Remote)

Display	: 2 digit LED Display
No of Set Points	: One or Two
Supply	: 12VDC
Output	: 1 or 2 Relay x SPDT, 5A@230VAC

Termination

Two set point temp controller



NO P NC NO P NC

Relay Output
Potential free contacts



+ -

12VDC
Supply



+ - -

Pt - 100

Applications /Service

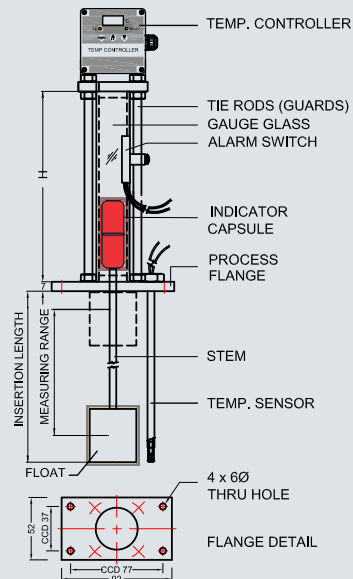
Power Packs and Coolant Tanks

Ordering Information

Model No along with Liquid, its Density Optg. Temp & Pressure x Insertion Length



Construction



Model Identification

Alarm Switch	MDG-				X Insertion length(mm)
Without		W			
One		1			
Two		2			
Three		3			
Temp. Sensor					
Without				W	
Provided				P	
Temp. Controller					
Without					W
Integral-1 set point					A
Integral-2 set point					B
Remote(Panel Mtd)-1 set point					C
Remote(panel Mtd)-& set point					D

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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