

BAYHAM

MINIDEE TANK CONTENTS GAUGE/SWITCH

Features:

- Compact Design
- Continuous Contents Indication with Integral Level Alarm/Control Switches
- Easy to Install
- Suitable for tanks up to 1.5 m high
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Applications:

- Diesel Oil Service Tank Level Control
- Oil / Water Storage Tanks
- Coolant Header Tanks
- Transformer Oil Level Indication/Alarms
- Generator Base Tanks

Function

The Minidee Gauge Switch provides a single, compact solution for applications that require tank contents measurement, level alarms and pump or solenoid valve control. The standard version of the Minidee may be fitted with up to 4 micro switches that are actuated by cams fitted to the same shaft that drives the dial pointer. The switches can be supplied with normally open, closed or changeover contacts.

The 50 mm local dial may be calibrated in fractions, percentage, litres, or any other standard engineering units. It may also be scaled in °C for transformer oil tanks.

Operation

As the liquid level in the tank changes the float arm moves vertically through an arc. This displacement is transferred via gears to a rotational movement. A magnet located in a pocket behind the gauge mounting flange drives a second magnet located inside the gauge body which turns the cam shaft and pointer. This mechanism ensures no fluid leakage into the gauge and allows adjustment or maintenance to be carried out without the need to drain the tank.

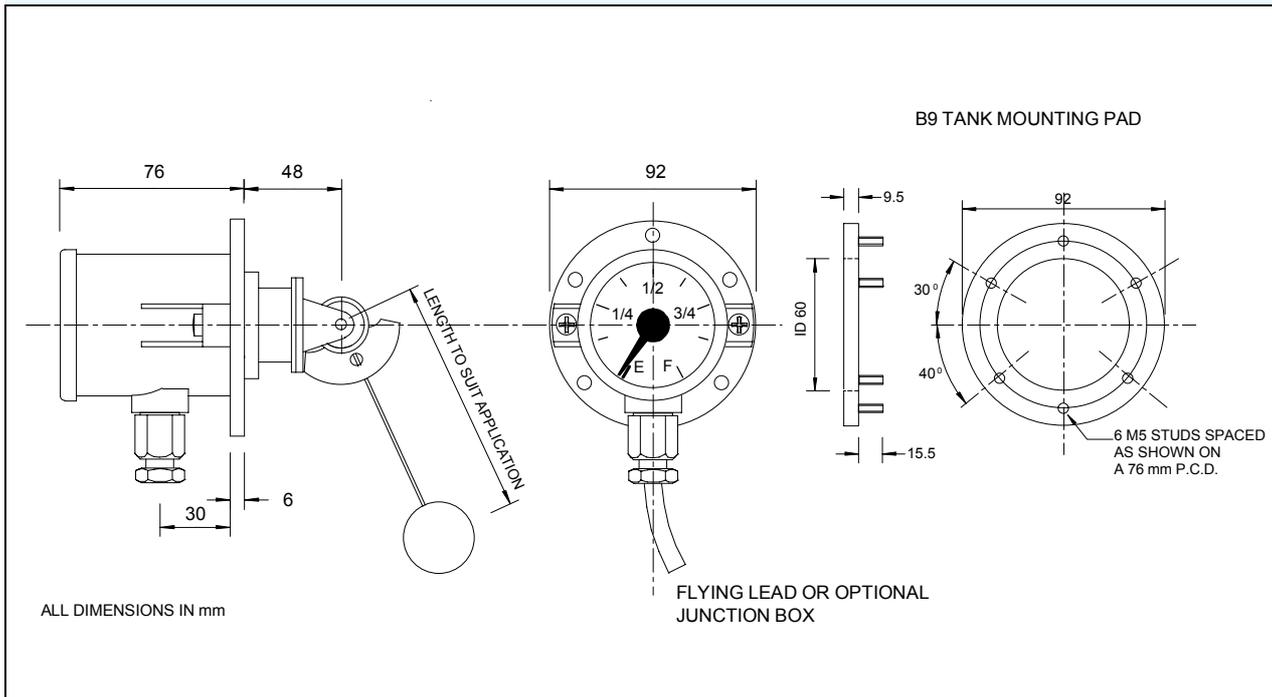
End of travel float arm stops are fitted to ensure that the float does not come into contact with the inside of the tank.



Technical Specifications

Cover:	Nylon, Polyester coated Aluminium Optional
Flange:	Zinc Alloy, Brass or Stainless Steel
Gears:	16/40 or 11/40 ratio in Brass or Stainless Steel
Floats:	Plastic or Stainless Steel
Maximum float arm angle:	120 degrees
Maximum pointer movement:	300 degrees
Pressure rating:	Dependant on flange type
Temperature rating:	80 °C standard, high temperature versions are available
Micro switch contact rating:	250 VAC 4 A Resistive
Weather protection:	In accordance with IP55, IP67 version available without dial

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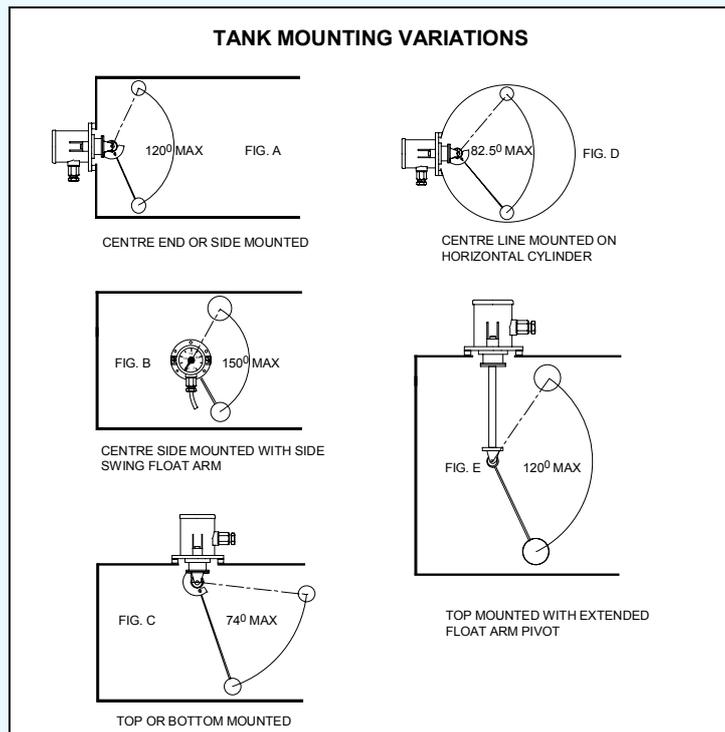


Information required:

- Gauge Type:
Minidee A1= 1 Micro Switch
Minidee A2= 2 Micro Switches
Minidee A3= 3 Micro Switches
Minidee A4= 4 Micro Switches
- Tank Dimensions
- Baffle/Stay Details-if fitted
- Mounting Position of Gauge
- Fluid Details
- Operating Conditions
- Dial Calibration Units i.e. fractions, %, litres, etc.
- Whether Static or Mobile application
- Tank Slope Angle, if any
- Details of Switching Levels

Please contact our sales department for tank pad mounting instructions. Tank pads are available from stock and may be shipped within 24 hours if required.

We have many years of experience manufacturing tank gauges for a wide variety of applications. Please contact us for further information or guidance on specifying the correct gauge to suit your requirements.



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