

Direct Tank Read Gauge

Direct Reading Tank Contents Gauges are float-operated mechanical level indicators designed for direct mounting onto tanks and vessels, providing continuous visual indication of liquid level or tank contents.

Each gauge incorporates a magnetic coupling mechanism that transmits float movement to the dial pointer whilst maintaining a sealed separation between the process fluid and indicator chamber. This design prevents fluid ingress into the gauge mechanism and provides reliable, maintenance-free operation.

The modular construction allows a variety of mounting arrangements and float arm configurations to suit different tank geometries and applications.

Both side-mounted and top-mounted versions are available, together with a range of materials and dial calibrations to suit specific operating requirements.

Standard gauges are supplied with adjustable float arms and fractional dial markings. Bespoke versions can be supplied with customer-specific calibrations in litres, gallons, cubic metres, percentages or alternative engineering units.

Features

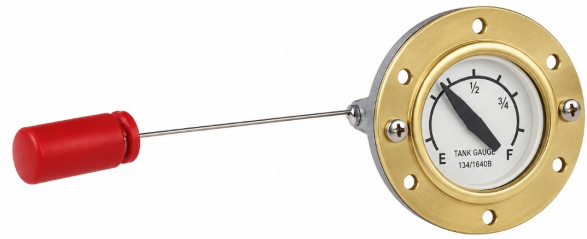
- Dial sizes 50mm & 75mm
- 625mm standard float arm
- Standard and custom versions available
- Magnetic drive mechanism
- Leak-proof construction
- Maintenance-free operation
- Side or top mounting configurations
- Adjustable float arm lengths
- Custom dial calibrations available
- Suitable for static and mobile applications
- Robust industrial construction

Gauge Type	Dim. A	Dim. B	Dim. C	Dim. D	Flange Type
DTR 50	9	6	48	92	B9

All Dimensions in mm

Gauge Type	Dim. A	Dim. B	Dim. C	Dim. D	Flange Type
DTR 75	19	6	40	114	B11

All Dimensions in mm



Applications

Suitable for:

- Oil storage tanks
- Generator Slab / Belly Tanks
- Water storage tanks
- Diesel fuel tanks
- Chemical storage vessels
- Transformer oil level indication
- Generator day tanks
- Marine fuel systems
- Mobile bowzers and tankers

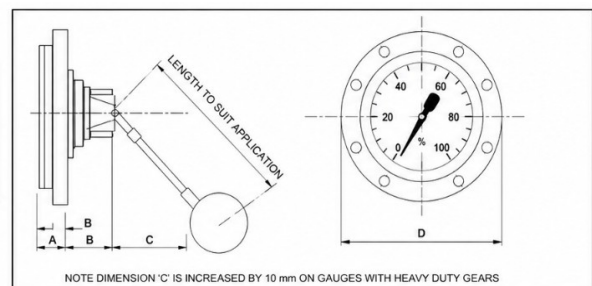
Installation

The preferred mounting position is generally midway up the side of the tank, allowing the shortest practical float arm length to be used.

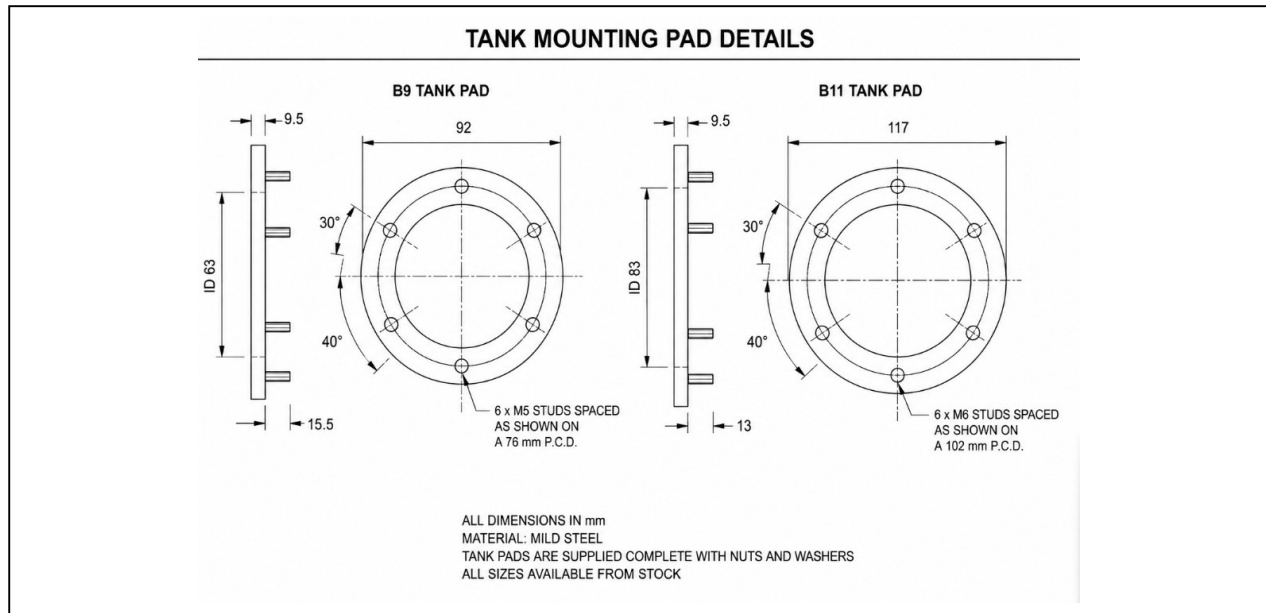
Care should be taken to ensure that internal baffles, strengthening members or pipework do not interfere with the movement of the float arm throughout its operating range.

The float arm may be cut to suit the tank depth during installation.

Dimensioned mounting drawings are available on request.



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Tank Mounting Pads

Weld-on mounting pads are available for both gauge sizes and are supplied complete with studs, nuts and washers.

Manufactured from mild steel and suitable for welding directly onto steel tanks.

Ordering Information

When specifying a Direct Reading Tank Contents Gauge please provide:

- Gauge Size 50mm or 75mm
- Tank Dimensions
- Mounting Position
- Fluid Details
- Operating Conditions
- Dial Calibration Units (Fractions, %, Litres, Gallons, etc.)
- Static or Mobile Application
- Tank Slope Angle (if applicable)

