

## EXTREME ENVIRONMENT DIRECT READING TANK CONTENTS GAUGES

Bayham DR STS EEG float operated direct reading tank contents gauges can be mounted directly onto tanks to provide a continuous indication of fluid level or contents and are designed to operate in extreme environmental conditions.

Each gauge incorporates a magnetic coupling through the gauge body preventing fluid leakage into the dial chamber and a modular construction with build options to suit a variety of applications.

Wetted parts are 316 stainless steel and PTFE which provide excellent resistance to chemical corrosion. Standard gauges are designed for use with product densities above 0.75 kg/l. Gauges with counterbalance weights are available for use with lower product densities.

Standard gauges with adjustable length float arms and dials scaled in fractions can be supplied from stock. Bespoke gauges are available manufactured with custom calibrated dials in alternative engineering units to suit the tank size and particular service requirements.

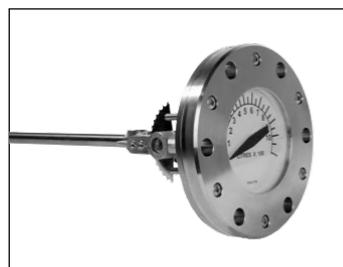
Top mount and side mount versions are available. The most common mounting position for the gauge is half way up the side of the tank which allows the shortest float arm to be used. Baffles or internal cross bracing should not interfere with the arc of the float arm travel.

### Applications

Offshore Oil / Water Storage Tanks  
 Chemical Storage Tanks  
 Transformer Oil Level Indication  
 Mobile Tankers and Bowsers

### Features

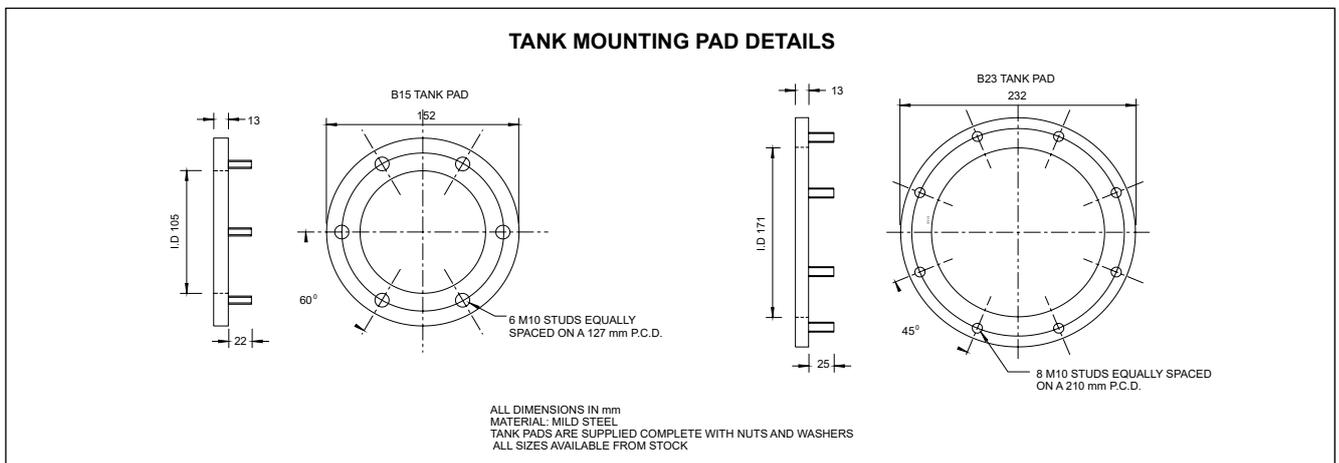
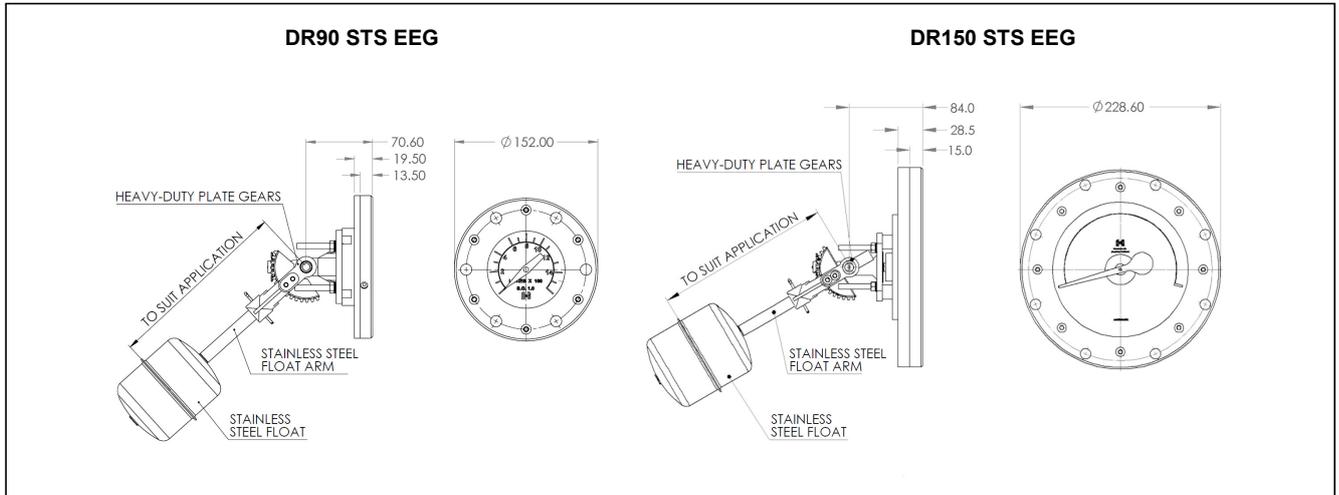
Nitrogen purged dial chamber  
 Self cleaning gear mechanism  
 Standard and Custom versions available  
 Robust Construction  
 Maintenance Free & Leak Proof



### Technical Specifications

Gauge body:	Stainless Steel (316)
Dial Window:	Lexan
Flange and Float:	Stainless Steel (316)
Gear Assembly:	16/40 or 11/40 ratio in Stainless Steel
Maximum float arm angle:	120 degrees (end mounted), 82.5 degrees (side mounted)
Maximum pointer travel:	300 degrees
Pressure rating:	16 bar
Weather protection:	In accordance with IP68
Temperature range:	-40 °C to +80 °C

# EXTREME ENVIRONMENT DIRECT READING TANK CONTENTS GAUGES



Tank mounting pads suitable for welding on to steel tanks are available from stock pre-fitted with studs, nuts and washers. If required, please contact us for tank mounting pad instructions.

## Information required when specifying:

1. Gauge Type
2. Tank Dimensions
3. Mounting Position of Gauge
4. Fluid Details
5. Operating Conditions
6. Dial Calibration Units i.e. fractions, %, litres, etc.
7. Application - Static or Mobile
8. Tank Slope Angle (if applicable)

Bayham manufacture and supply gauges for a wide range of markets and applications. Please feel free to contact us for further information or guidance on specifying the correct gauge to suit your exact requirements.

