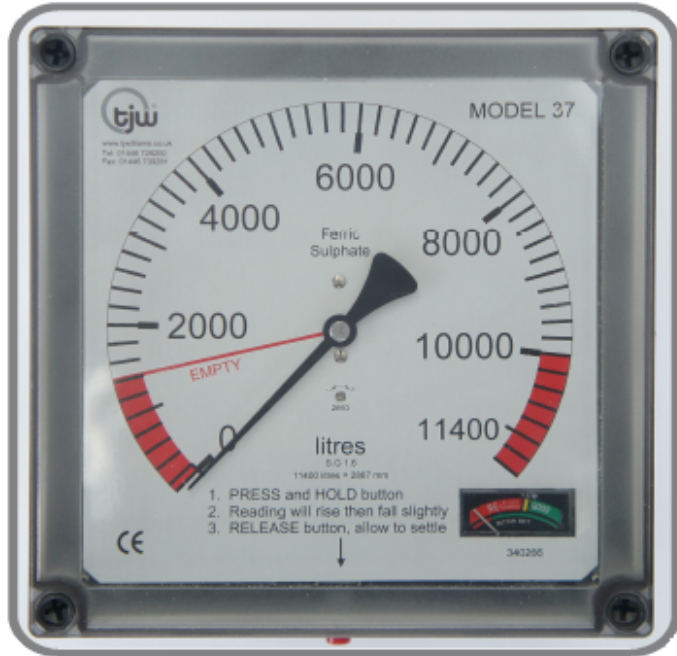


# Push to Read Battery Operated Tank Contents Gauge



## Calibration

Each gauge unit is individually calibrated and scaled, to customer requirements for Rectangular, Cylindrical (Horizontal or Vertical) tanks in litre, gallon, kg, tonne etc..

## Application

Can be used for water, fuel oil, creosote, paraffin, lubricants and tanks containing more aggressive chemicals with consideration being given to protection from chemical contact of the internal parts of the gauge. It has many applications, in Dairies, Gas Works, Breweries & chemical works etc. Being a reliable and accurate instrument, and combined with its ease of installation, makes this an obvious choice.

Suitable for tanks up to 8m deep, dependant upon SG, and liquids of viscosity up to 350 sec. Maximum remote indicator from tank 200m.

## Operation

The model 37 gauge uses the hydrostatic principle of proven reliability and simplicity, with push to read electric pump using 4 AA batteries. This method requires minimum installation time and gives important advantages in the safe measurement of volatile liquids. The electric pump charges the system with air under pressure. The liquid is displaced from the balance chamber at the bottom of the tank, while excess air escapes via the tanks vent. The resulting pressure in the balance chamber is indicated and is proportionate to the head of liquid in the tank.

The gauge unit can be mounted at any position, and may be disconnected at any time without upsetting the calibration. Maintenance is not normally required, except battery replacement, as there are no moving parts external to the gauge unit

## Installation

The model 37 contents gauge can be mounted in any convenient position up to 200m from the tank without affecting the reading. Installation is simple – Fix the unit to a suitable surface using the template supplied. Removing the screws holding the front cover onto the gauge will reveal 4 holes passing right through the body of the instrument – Fix it to the surface or back plate with 4 fixing screws (not supplied) and then re-fit the front to the gauge, making sure the dial and pointer are not disturbed. Next insert the balance chamber through a 1” or 1 ½” BSP tank boss on top of the tank allowing it to rest on the bottom, then tighten bush and capillary clamp. Connect the tube to the gauge unit. There is no need to empty the tank.

# Push To Read Battery Operated Tank Contents Gauge

## BC2 – Standard Balance Chamber

Construction: Brass with compression fitting for 6mm tubing

Also Available in: PVC (1) or Stainless Steel (7)

Viscosity Limit: 50 sec, redwood no.1 @ 16°

Requires a 1" bsp Tank Adaptor

BC2 Standard Brass balance chamber



BC2-1 PVC balance chamber



## BC1 – as BC2 but with Magnet

Construction: As BC2 but with attached magnet to stabilize the balance chamber in position when tank is being filled.

Requires a 1 ½" bsp Tank Adaptor

Magnet for Standard balance chamber

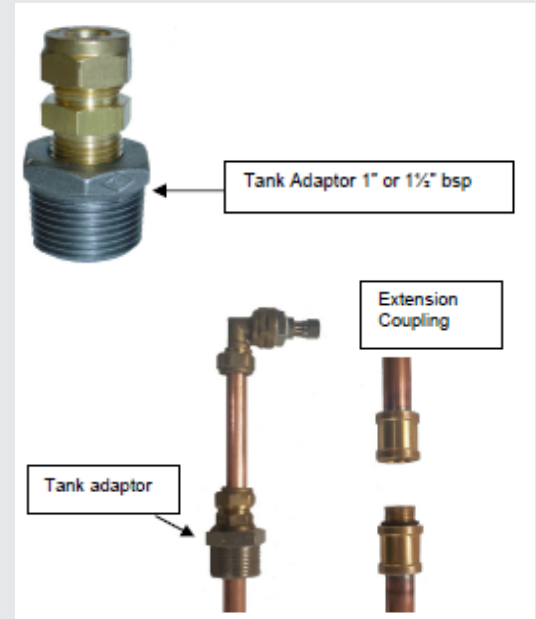


## BC3 – Rigid Balance Chambers

Construction: PVC (1), Copper (6) or Stainless Steel (7).

Requires a 1" bsp Tank Adaptor

Made to customer requirements



For use with - Models 28PU, 28PUE, 36, 37, 38, 39, 40 & 45