

Battery operated hydrostatic tank contents gauge system.

INSTALLATION, OPERATING & MAINTENANCE INSTRUCTIONS



- ◆ Easy to install
- ◆ Low cost
- ◆ Calibrated to customers requirements & tank size
- ◆ For tanks up to 8m deep
- ◆ Remote reading up to 200m

Operation:

The gauge is connected by tubing to a balance chamber at the bottom of the tank.

Pressing the button starts the pump that introduces air into the system, expelling the liquid from the tube inside the tank. Balancing the static head of liquid in the tank enables the contents to be indicated on the gauge.

Press and hold Red Button on the unit, reading will rise then stop, release the button and allow to settle, reading can now be taken.

Service

The gauge is suitable for indicating the quantity of liquid in a rectangular or cylindrical tank. The instrument may be fixed in a remote position, above, on the same level, or below the tank, and at a distance away. There is no need to empty the tank before fitting the unit.

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.

Construction

Case:	Polycarbonate
Connection:	Brass/PVC
Balance chamber:	Brass/PVC/St St to suit liquid in tank.
Tubing:	PVC or Polyurethane or to suit liquid in tank.
Batteries:	4 x AA 1.5V

Installation

The gauge is usually supplied complete with a suitable balance chamber and 6mm tubing.

Fix the unit to a suitable surface using template supplied, must be sited in a convenient position within 200m of the tank. 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.

Insert the balance chamber through the boss at the top of the tank, allow it to touch the bottom. Tighten the tank bush, lift the balance chamber up with the tubing and then lower it until it touches the bottom of the tank. Now tighten the gland nut to firmly hold the balance chamber in position. Once the unit is installed, check pointer is on Zero position, a small adjustment can be made using the Zero Adj. just below centre of dial. (Adjustment should be restricted to 5% of scale length). Cut the end of the tubing with a sharp knife at 90° to the tube, connect the tubing to the unit by fully pushing the tubing into the Blue push-fit fitting. To remove the tubing, push up the blue collar and pull out the tube.

Maintenance

Batteries need to be replaced when indicator is in the red. Battery compartment is situated at bottom on left side, to release the battery holder slacken the knurled screw, slide cover toward you with one hand ready to catch the battery holder. Replace 4 x AA batteries and push holder back into position, slide cover back into position and tighten knurled screw.

