

## Tank Contents Remote Reading Gauge

Continuous Reading battery operated hydrostatic tank contents

### 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.

A cyclic timer actuates a 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.

The timer can be adjusted to actuate from 1 - 48hrs, depending on tank contents usage. Pump running time is also adjustable to suit tank depth and tube length, factory set from customers data.



**TEST LEVEL BUTTON** - This is an override facility and can be operated at any time, if the button is pressed and held, the reading will rise then fall slightly, release button and allow to settle, reading can now be taken.

#### Installation

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.

The gauge is mostly supplied complete with appropriate balance chamber and tubing.

Fix the unit to a suitable surface using template supplied. 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. Connect the tubing to the unit sited in a convenient position within 200m.

INSTALL BATTERIES CORRECTLY BEFORE READINGS COMMENCE

#### Construction

Case:	Stainless Steel/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.
Battery:	Lithium Thionyle pack - Non rechargeable

#### 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.

#### Maintenance

Batteries require changing when red led flashes once per sec. - Battery size AA Lithium Thionyl Chloride 3.6v 2.4Ah can be obtained direct from the manufacturer.

