

Tank Contents Gauge Remote Reading

Model 36

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.



RESET BUTTON - In the unlikely event that you think the reading is incorrect, the reset button facility can be operated, this forces a reset of the timer system. When the button is pressed and released, the reading will rise then fall slightly, allow to settle, reading can now be taken. Once RESET has been used, **it cannot be re-used for a minimum of 30 mins**. Please note that this operation will dramatically reduce the battery life.

Tank Adaptor

Construction

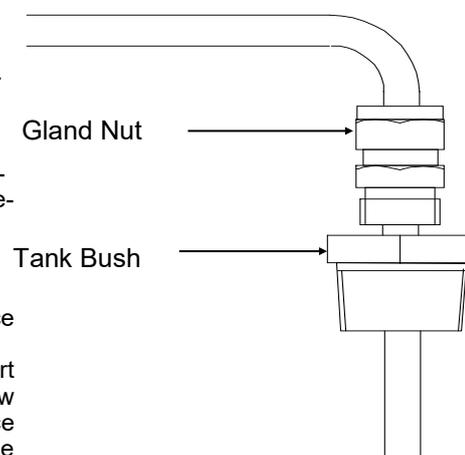
Case: Stainless Steel/Polycarbonate
Connection: Brass/PVC
Balance chamber: Brass/PVC/St St to suit liquid in tank.
Tubing: PVC or Polyurethane or to suit liquid in tank.
Battery: Lithium Thionyl pack - Non rechargeable

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.



BATTERIES MUST BE INSTALLED CORRECTLY BEFORE USING THIS INSTRUMENT

Unscrew the 4 screws and remove the battery compartment cover. Fit the 6 batteries supplied, ensuring correct polarity eg negative (-) goes to spring in battery holder. Use ONLY Lithium Thionyl Chloride Batteries 3.6V 2.4mAh

Maintenance

Batteries require changing when red led flashes once per sec. - Please make sure the correct batteries are fitted.