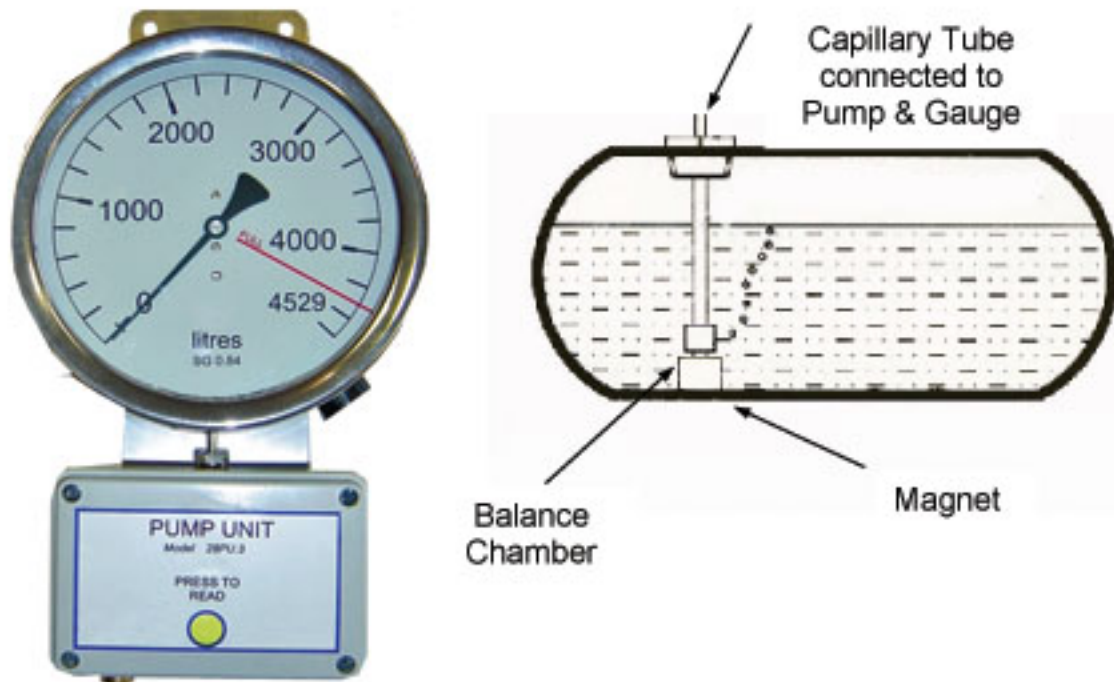


HYDROSTATIC TANK CONTENTS GAUGE BATTERY OPERATED SYSTEM



OPERATION

The 28PUE gauge uses the hydrostatic principle of proven reliability and simplicity, with push to read electric pump using 4 AA batteries or mains power supply via plug in 6v adaptor. This method requires minimum installation time and gives important advantages in the safe measurement of volatile liquids. The electric pump is fixed at the bottom of the gauge or can be remotely mounted this 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 by the gauge and is proportionate to the head of liquid in the tank. The gauge can be mounted at any position, and may be disconnected at any time without upsetting the calibration. Maintenance is not normally required, as there are no moving parts external to the gauge.

CALIBRATION

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

INSTALLATION

The 28PU contents gauge can be mounted in any convenient position up to **150m** from the tank without affecting the reading. Installation is simple. Mount the gauge with fixing screws and insert the balance chamber through a 1" or 1 1/2" 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, there is no need to empty the tank.