

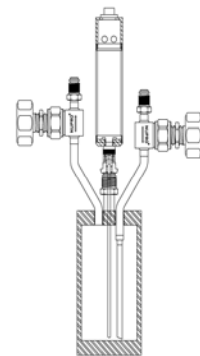
technical bulletin

Fixed Point EpiSensor

A Fixed Point EpiSensor is a very simple, easy to use, stand alone unit that gives a level indication of liquids in a bubbler using LED's.

The level of liquid remaining in the bubbler can be seen at a glance.

It eliminates the need for calculations and reduces the down time when a bubbler is removed from a system to weigh.



The FPES is used to detect two preset levels of liquid in the bubbler.

The preset levels can be determined by the customer prior to shipment or as a default of 50% and 10% fill level.

There are three modes for the LED's

Green LED indicates the unit is working and it will flash periodically.

Green and red LED flashing together indicates the unit has reached its low alarm setting

Red LED flashing on its own indicates the unit has reached the low-low alarm setting

If all the lights are flashing continuously then this indicates the batteries do not have enough power for detection and they must be changed.

Calibration is carried out by SAFC Hitech prior to shipment.

Each unit is bubbler specific so when the bubbler is emptied the Fixed Point EpiSensor has to be returned to SAFC Hitech for recalibration

On return of unit and bubbler

SAFC Hitech will refill the bubbler and recalibrate the unit

The batteries will be changed according to the maintenance schedule

The unit will be sent back to the customer with the refilled bubbler