



Instruments

Bubble Test Cell

Applications:

- Inhibitor testing
- Polarisation tests
- Tafel analysis
- LPR
- AC Impedance
- Current and voltage measurement
- Galvanic measurements



The Bubble test Cell has been designed for the everyday testing of oilfield inhibitors on steel. It is suitable for standard Bubble test work or for LCM™ techniques that in addition to the average corrosion rate vs. time gives information pertaining to Localised Corrosion.

The Cell is a Quickfit 1 litre reaction vessel with lid and clamp. Several ports are available in the lid for gas injection via a 7mm glass rod, an exhaust, inhibitor injection port with plug and a central chemical resistant three electrode probe.

Two versions of probe are available:

The ACMP4 probe is supplied with three electrodes, two of which are made from Hastelloy on a 3mm thread, whilst the working electrode, typically made from a mild steel, is on a 10mm 440UNC thread. The intention is to reduce costs in that only the working electrode needs to be replaced between tests, whilst the Hastelloy Auxiliary and Reference Electrodes only need to be cleaned.

The ACMP3 probe is supplied with three electrodes, two of which are made from mild steel on a 440UNC thread for the working and reference electrodes, the third is made from Hastelloy on a 3mm thread.

Probes usually terminate in 4mm sockets. A 6 Pin Amphenol version is available, for a simple single connection design.

For suitable instrumentation see our Gill 6 / 8 / 12

Custom lid and probe designs can be made to order. Please contact us for a quotation.



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