



Heating Investigator 4

FEATURES

- **Four Channels**
- **Four WE's per Channel**
- **Temperature Control**
- **Stirrer Control**
- **Offset ZRA's**
- **500 mA ZRA's**
- **2 A Potentiostat**

APPLICATIONS

- **Domestic Heating**
- **Industrial Heating**
- **CPT Testing**
- **Mixed Metal Systems**
- **Aqueous Inhibitors**
- **Down Hole Inhibitors**

DESCRIPTION

Central Heating inhibitor test equipment.

An apparatus for the scientist involved in the world of Central Heating system inhibition. This instrument measures a full range of DC parameters on four working electrodes, perhaps copper, aluminium, mild steel and brass. From the experiment sequencer the electrodes may be coupled together or left at their free floating potential (this is unique, and has been found to offer a more valuable range of tests). The standard tests available are long term LPR, long term potential, long term galvanic, cyclic voltammetry and current & voltage noise. Analysis allows comparison of all data types and easy copy and paste of data to other applications.

The instrument is equipped with four channels, each channel comprising four working electrodes, a reference electrode, auxiliary electrode and ground. The channels are measured and controlled independently, each with its own measurement sequence.

Temperature measurement and very flexible temperature control is built into each channels sequence, as is control of a stirrer. This allows tests to be performed under a combination of time and temperature, as in real heating systems. The temperature control is housed in a separate screened box, isolated from the potentiostat and ZRA's of the monitoring system.

This is ACM's third generation of central heating monitoring system and uses the proven and accurate instrument design from the latest Gill AC.

Case type: Two medium sized laboratory cases.
Options needed: PC running Windows.

ACM Instruments

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