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Product Name :
Boys Gas Calorimeter Equipment

Product Code :
LBNY-0005-1660001



Description :

The whole set is manufactured to a very high standard and is supplied with all necessary accessories including thermometers with reading lenses, measuring vessels and a general purpose set of four burners for town and coke oven gas, natural and methane gas, butane, propane, acetylene, ethylene and propylene. The two main items of equipment in the apparatus are the Boys non-recording gas calorimeter fitted with appropriate burners in the base, and a precision, Hyde type gas meter with a capacity of 2.0 litres/rev consisting of a specially designed measuring drum housed in a gas-tight casing and sealed with water.

Experimental Capability:

To determine the Gas Volume Factor of gaseous fuels.
To determine the Calorific Value C.V. of gaseous fuels.
Average Difference in Temperature.
To determine the Gas Temperature
Average Water Inlet Outlet Temperature.

Technical Specification :

A Boys non-recording gas calorimeter.
General purpose burner.
Gas control valve (quadrant cock).
Graduated glass vessel, capacity 50 ml, for collecting condensed products.
A constant head overhead funnel with water connecting tubes.
Two thermometers engraved on stem 0-50 $^{\circ}$ C for temperate climates or 0-75 $^{\circ}$ C for tropical climates, for inlet and outlet water temperatures.

Two thermometers engraved on stem 0-35°C for temperate climates or 0-50°C for tropical climates, for effluent gas and room temperatures.

Two adjustable reading lenses, chromium plated, with spring clips for attaching to stems of thermometers in item 3.

Three litre collecting vessel and 1000 ml graduated glass vessel, for measuring outflow from calorimeter.



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