



BOY'S GAS CALORIMETER

IEICOS Boy's Gas Calorimeter is an apparatus to determine the calorific value of gaseous fuel.

It consists of a gas burner with an arrangement to measure gas flow and pressure of the gas supplied to the burner. A gas pressure regulator on the cylinder helps to provide gas flow at lower pressure and dampens any pressure fluctuations in flow.

The burner burns inside a specially designed calorimeter container containing a cooling coil with flowing water. The water is provided with a rotameter to measure flow of cooling water. Two thermometers are provided - one at the inlet and one at the outlet of the water flow through the coil.

IEICOS Boy's gas calorimeter is designed to ensure that the heat from the burner flows up through the center of the calorimeter container and back down again inside the container and back up again before exhausting. This design ensures maximum heat transfer to the cooling liquid and hence accurate measurement of calorific value of gas.

The amount of heat liberated when a unit mass of fuel is burnt completely is known as the calorific value. This calorific value of gaseous fuel is determined using boys gas calorimeter.



Specifications:

Construction:	Stainless Steel shells with 3 layer copper tubing for water flow
Flow Measurement:	1 LPM Rotameter for water 1000 cc/min Rotameter for gas
Gas Pressure:	4" dial pressure gauge in mm of WC reading
Temperature:	Glass Thermometers 0 – 100 deg C for Water Inlet and Water Outlet



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Due to continuous improvement, specifications, dimensions, look, color, feel and features subject to change without notice.