

Product Name : Exhaust Gas Calorimeter	Product Code : TK785
Description :	
Exhaust Gas Calorimeter	
Technical Specification :	
<p>Exhaust Gas Calorimeter An exhaust gas calorimeter for use Regenerative Engine Test Sets. The equipment measures the heat content of exhaust gases and enables students to determine the energy lost to exhaust in the energy balance for single-cylinder, four-stroke petrol and diesel engines. The engines are separately available. the Exhaust Gas Calorimeter enables students to assess the heat lost to exhaust in the energy balance for single-cylinder four-stroke petrol and diesel engines. The main components of the Exhaust Gas Calorimeter are: Gas-to-water shell and multi-tube heat exchanger Control valve Instrumentation unit Water supply and Drain: 10 liters per minute at 3 bar Electrical supply: Single-phase A.C. 90 to 240 V, 50/60 Hz Exhaust outlet: The local laboratory exhaust can be used (both need an outlet to atmosphere and to comply with local emission regulations) Operating Conditions Operating environment: Well ventilated laboratory Storage temperature range: –25°C to +55°C (when packed for transport) Operating temperature range: +5°C to +40°C Operating relative humidity range: 80% at temperatures < 31°C decreasing linearly to 50% at 40°C Net Dimensions and weights: Calorimeter: length 1200 mm x depth 500 mm x height 800 mm and 30 kg Temperature and flow display unit: 190 mm x depth 130 mm x height 450 mm and 4 kg Packed Dimensions: 0.8 m3 and 50 kg Heat exchanger: Stainless steel shell and multi-tube with pressure-relief valve Temperature measurement: 4 x Thermocouples with digital display Flow Measurement: Turbine flow meter with digital display Flow control: Hand-operated valve.</p>	

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