

Product Name :
Automated Fuel Cells

Product Code :
DM719



Description :

Automated Fuel Cells

Technical Specification :

Automated Fuel Cells

PEMFC (Polymer Electrolyte Membrane Fuel Cell) stack consisting of a set of 4 basic cells

Rated power: 20 W

Voltage: 10,4 V - 6,5 V

Hydrogen feeding line with pressure controller, flow transducer and bleeding solenoid valve

Air intake and cooling fan

Measurement of voltage and current on cell output and on electric loads

Variable electric loads connectable separately: lamp, simulation of electrical household appliances

Digital measurement of cell temperature

I/O acquisition system for processing the operating parameters of the system via Personal Computer (on request)

Reduced-size room heated by the cell and including resistor. It consists of a Plexiglas box that can be opened, a temperature probe and relevant digital thermometer, a thermostat, a gate of Plexiglas driven by a belt transmission device (as thermostat reaches its set-point temperature, this gate shuts the duct of the hot air coming from the cell).

Power supply: 230 Vac 50 Hz single-phase - 60 VA

Dimensions: 92 x 46 x 72 cm

Net weight: 37 kg

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