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Product Name :
Fuel Cell System

Product Code :
LBNY-0005-125000132



Description :

High-pressure reducing valve for hydrogen pressure vessel supplied
Oxygen supplies directly from the ambient air
Investigation of a polymer-membrane fuel cell
Hydrogen supplied via standard pressure vessel
Regulation of moisture without external humidification
Sensors for flow rate, pressure, temperature, voltage and current strength
Water cooled system in combined heat and power
Precise adjustment of all operating points via electronic load
Complete operation and evaluation via a PC.

Technical Specification :

Nominal operating point: 15A / 24V
Nominal output: 360W
Thermal power: approx. 480W depending on ambient conditions
Required inlet pressure: 1...200bar
Required ambient temperature: 5...30°C

Measuring ranges:

Flow rate (hydrogen): 1...5l/min
Flow rate (cooling water): 0,6...0,7l/min
Voltage (stack): 20...40v
Temperatures: 5...55°C

Current (stack): 0,1...20a

Pressure in the system (hydrogen): 250...350mbar.



Laboratory Instrument India