



Fuel Cell Test Station PTS-100

Key features

Suitable for low-temperature PEM fuel cells

Automatic control of flow rate, humidity, temperature and back pressure

Variety of electronic loads available

Stack temperature control with liquid cooling

Robust system based on industrial PLC with data logging into SQL database

Safety features for fully automated operation

Testing of short or full stacks
4 - 10 kW

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Specifications

Power Range:

4 - 10 kW

Fuel Flow-Rate Range:

5 - 250 slpm

Dew-Point Temperature Range:

up to 90 °C

Options:

Stack pre-heating, dead-end mode

Applications

Ideally suited for verification of stack design on short-stack level or scale up to full-stack level. Well-defined and repeatable conditions of Leancat PTS-100 enable benchmarking of fuel cells also thanks to extensive scripting possibilities.

Max. current:

1200 A

Oxidant Flow-Rate Range:

18 - 900 slpm

Gas Pre-Heating Temperature Range:

up to 120 °C

Back-Pressure Control Range:

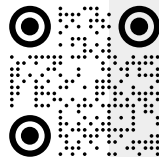
up to 3 bar(g)

Cell Voltage Monitoring:

Customizable number of channels

Liquid cooling of cell/stack:

up to 95 °C



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