



Fuel Cell Test Station PBT

Key features

Suitable for low-temperature PEM fuel cells

Available configurations for testing single cells with active area up to 25 cm² or 50 cm²

Current range up to 120 A
Optional potentiostat with integrated EIS

Safety features for fully automated operation

CE certificate of conformity

Single-cell testing of fuel cells up to 50 cm²

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Specifications

Power Range:

0 – 100 W

Fuel Flow-Rate Range:

0.04 – 2 slpm

Dew-Point Temperature Range:

up to 90 °C

Options:

Potentiostat with EIS
(5 V | up to 100 A)

Max. Voltage & Current:

60 V | 60 A or 120 A

Oxidant Flow-Rate Range:

0.1 – 5 slpm

Gas Pre-Heating Temperature Range:

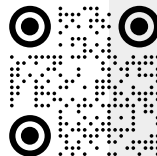
up to 120 °C

Back-Pressure Control Range:

up to 3 bar(g)

Applications

Single-cell testing is a great tool for the research and development of materials for fuel cells. Well-defined and repeatable conditions of Leancat PBT enable benchmarking of fuel cells also thanks to extensive scripting possibilities.



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