



Open-Cathode Stack Tester OBT

Key features

Configurations for testing stacks with up to 60 cells

Current range up to 300 A

Power supply and control of cooling fans

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

Safety features for fully automated operation

CE certificate of conformity

Testing of open-cathode (air-cooled) stacks

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Specifications

Maximum power:

1.4 / 2.1 / 3.2 kW

Maximum voltage:

60 V

Interface for cooling fans:

up to 6

N₂ purge:

automatic

Maximum current:

120 / 180 / 300 A

Thermocouples:

up to 6

Inlet gas interface:

hydrogen, nitrogen

Dead-end mode:

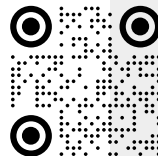
Interface for recirc. pump

Cell Voltage Monitoring:

up to 60 channels

Applications

Open-cathode fuel cells are very convenient for various applications due to their simple design and low requirements for balance-of-plant components. Well-defined and repeatable conditions of Leancat OBT enable thorough investigation of open-cathode fuel cells also thanks to extensive scripting possibilities.



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