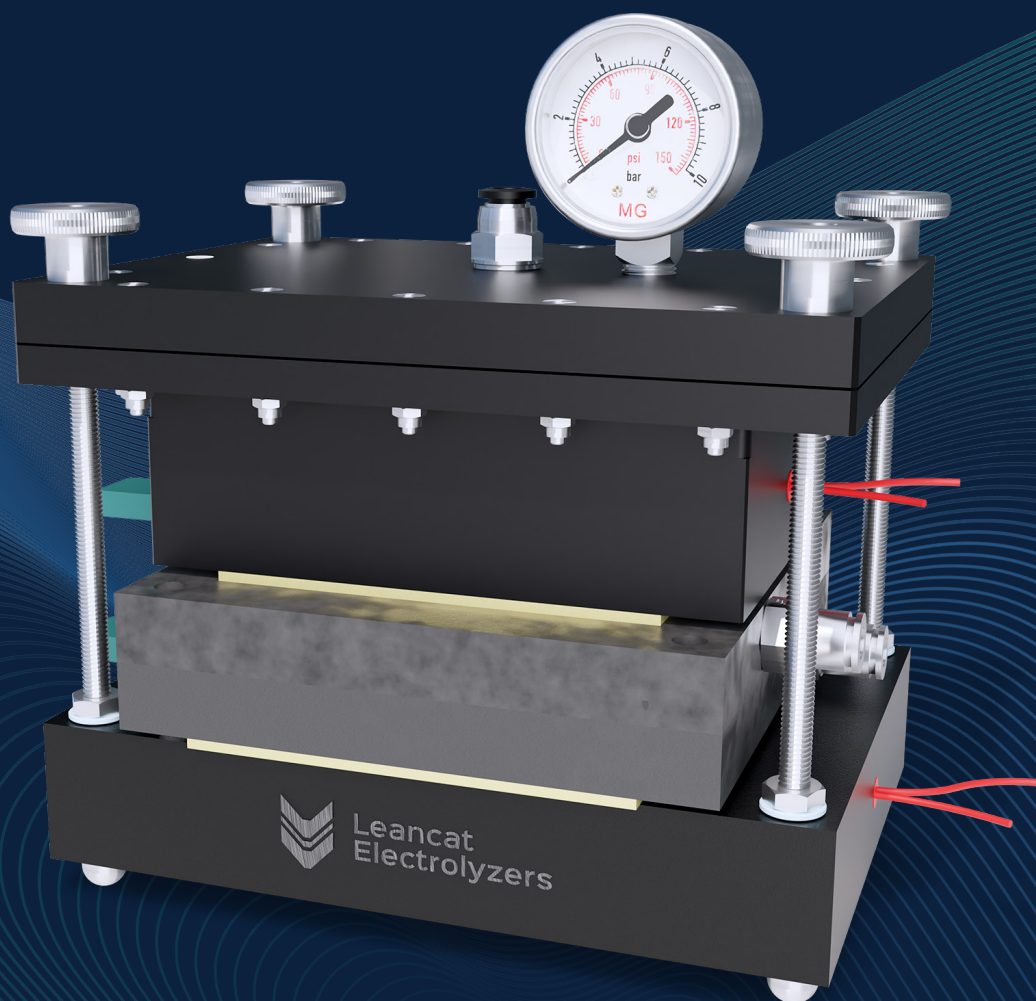
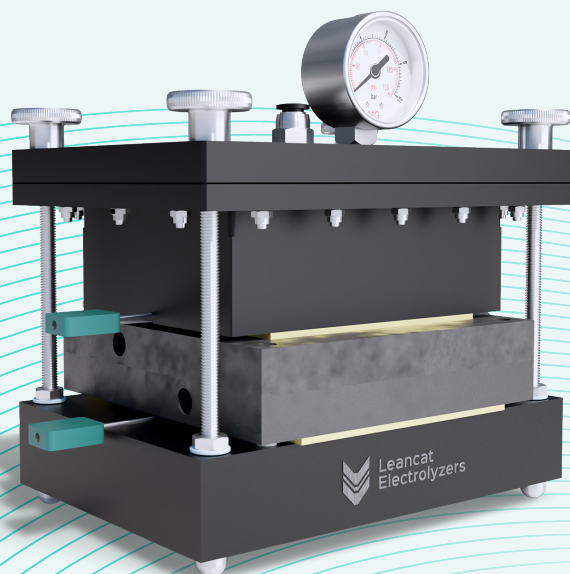


AirCell

Air-Pressed Test Cell AirCell

Research and development of fuel cells and electrolyzers requires many experiments to be carried out under various conditions. Leancat AirCells offer repeatable and well-controlled conditions as well as high durability thanks to its robust and clean design.





Key features

- compression hardware for single-cell testing
- suitable for low-temperature PEM fuel cells or electrolyzers
- compression system uses pressurized gas
- fully controlled tightening force
- uniform force distribution

Specifications

Active Area:
4.8 – 50 cm²

Fuel Compatibility:
H₂, methanol, ethanol

Monopolar Plate Material:
High-density graphite or titanium

Current-Collector Material:
Gold-coated copper

Base And Upper Plate Material:
Anodized aluminium

Max. Operating Temperature:
80 °C

Max. Operating Pressure:
6 bar

Cell Heating:
2 cartridge heaters

Temperature Measurement:
2 thermocouples included



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