

# Air-pressed Test Cell

## AirCell-50



LEANCAT  
FUEL CELL TECHNOLOGY



### Key features

- Compression hardware for **single-cell testing**
- **Cost-effective** solution for research
- Suitable for low-temperature **PEM** fuel cells
- Compression system uses **pressurized gas**
- **Fully controlled** tightening force
- **Uniform** force distribution
- Optional: high-temperature version, MEA

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Active area	25 - 50 cm <sup>2</sup>
Fuel compatibility	H <sub>2</sub> , methanol, ethanol
End plate material	high density graphite
Base and upper plate material	anodized aluminium
Current collector material	gold-coated copper
Max. operating temperature	80 °C
Max. operating pressure	6 bar
Fluid connections	Swagelok compatible compression fittings
Thermal management	2 cartridge heaters (24 V) water heating/cooling (optional)
Thermocouples	2
Dimensions (W x D x H)	158 mm x 119 mm x 127 mm
Weight	6.5 kg

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