

# Air-pressed Test Cell AirCell

## Key features

Suitable for low-temperature  
PEM fuel cells or electrolyzers

Compression system uses  
pressurized gas

Fully controlled tightening  
force

Uniform force distribution

Compression  
hardware for  
single-cell testing

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# Specifications

**Active area:**

4.8 - 50 cm<sup>2</sup>

**Monopolar plate material:**

High-density graphite or titanium

**Current-collector material:**

Gold-coated copper

**Max. operating pressure:**

6 bar

**Fuel Compatibility:**

H<sub>2</sub>, methanol, ethanol

**Base and upper plate material:**

Anodized aluminium

**Max. operating temperature:**

80 °C

**Cell heating:**

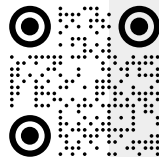
2 cartridge heaters

**Temperature measurement:**

2 thermocouples included

**Applications**

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.



**LEANCAT s.r.o.**

Web: [lean-cat.com](http://lean-cat.com)  
E-mail: [info@lean-cat.com](mailto:info@lean-cat.com)

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