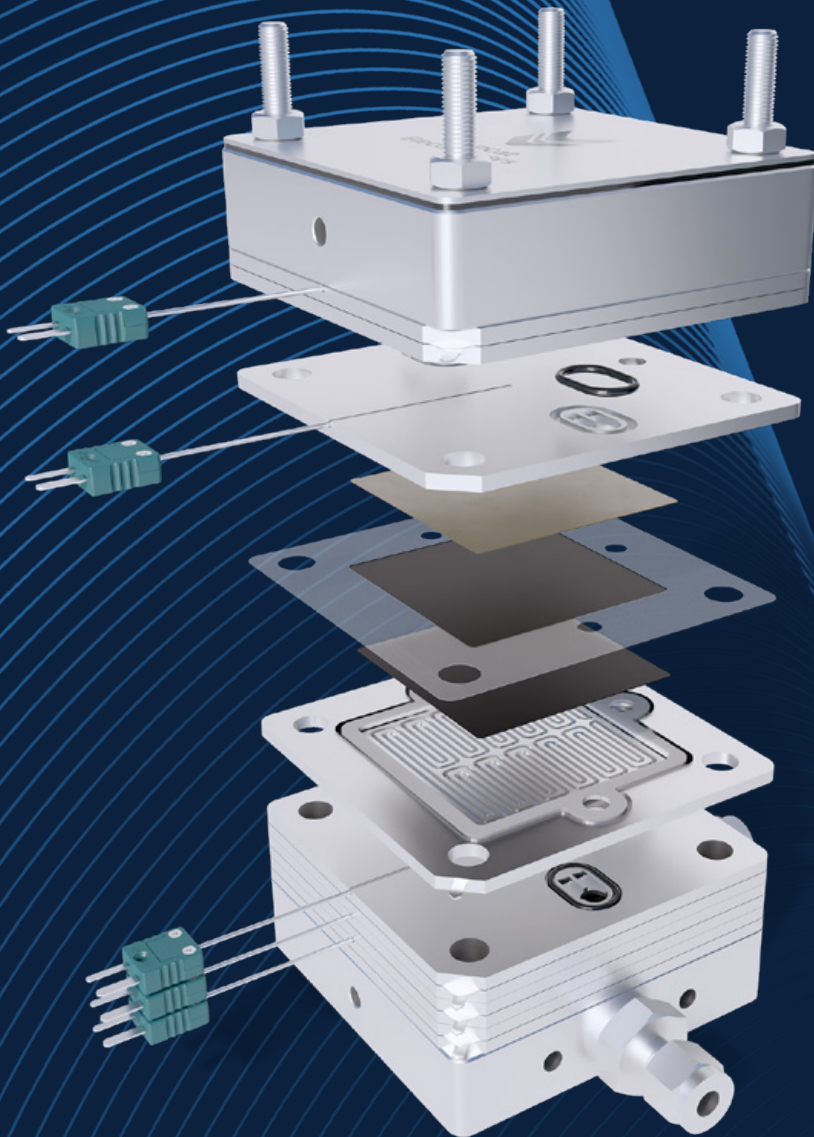
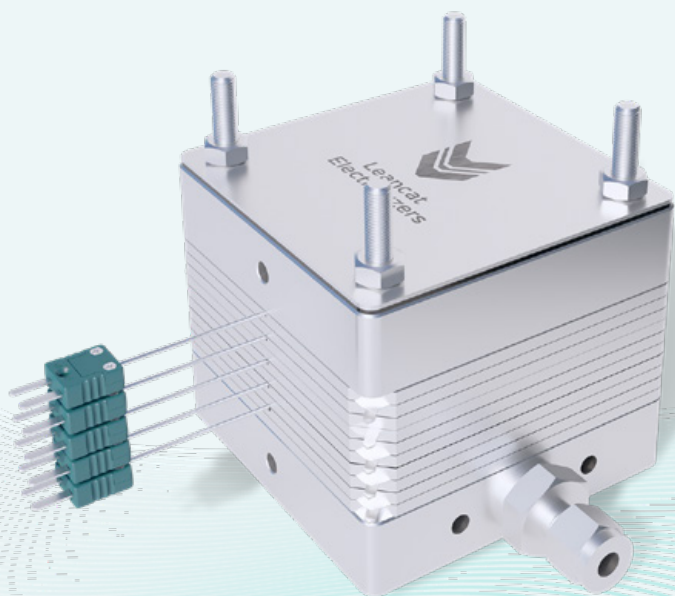


# LES

## Laboratory Electrolyzer Stack

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





## Key features

- test hardware for multi-cell testing
- testing up to 5 cells at the same time
- suitable for PEM or AEM electrolyzers
- possibility to pressurize up to 50 bar
- simple assembly and durable construction

## Specifications

**Number of cells:**  
5

**Base and upper plates material:**  
Stainless steel

**Operating pressure hydrogen:**  
up to 50 bar(g)

**Operating pressure oxygen:**  
up to 50 bar(g)

**Max. temperature:**  
up to 180°C

**Temperature sensors:**  
1 mm K-type thermocouples included

**Gas connection type:**  
G 1/4"

**Material of current collectors:**  
Stainless steel

**Material of bipolar plate:**  
Titanium Grade 1

**Flow field:**  
Serpentine

**Thickness of bipolar plates:**  
3 mm

**Type of gasket:**  
Flat

**Active area:**  
25 cm<sup>2</sup>

**Material of gasket:**  
Silicone

**CVM connectors:**  
Faston 2.8 mm



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