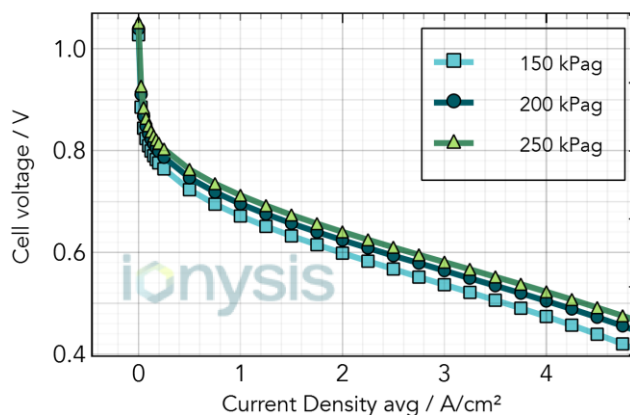
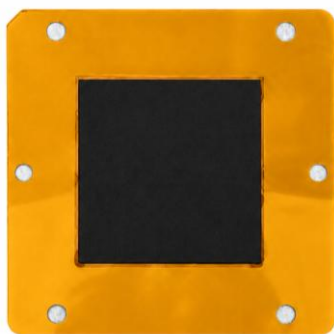


High-temperature (HT) PEM fuel cell MEAs

ionysis' MEAs for HT-PEM fuel cells for operation from 120 °C to 180 °C are developed using scalable material and manufacturing concepts, with adaptation to a wide range of HT-PEM stack configurations. Geometries can be adapted according to customer's request and within the ranges specified below



4 cm² single-cell tested at 180°C, 0% RH, 0.25/1 slpm H2/air anode and cathode.

Specifications

Layout	7-layer MEA
Active area	Standard formats: 5, 25, 45 cm², Larger geometries upon request

Performance

Performance (BOL)	> 0.6 V at 2 A/cm²
Durability	~ 10 µV/h (500 h load cycle evaluation time)
Operation conditions	120-180°C, 0% RH
Pressure	Ambient to 250 kPa(g)

Request the product now:



Handling recommendations

The MEAs can be used as received. No washing steps or conditioning required. We recommend handling the MEA wearing gloves to prevent contamination. Store the MEA in a sealed bag or container, out of direct sunlight, in a climate-controlled environment. For more information, please refer to the safety data sheet and instructions for use.

Disclaimer: This information, along with any recommendations is provided in good faith and is believed to be accurate as of the preparation date. Recipients are responsible for determining the suitability of this information and recommendations for their specific purposes. Under no circumstances shall ionysis be liable for any damages or losses of any kind arising from the use of or reliance on this information and recommendations. IONYSIS EXPRESSLY DISCLAIMS ALL REPRESENTATIONS AND WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE REGARDING ANY INFORMATION OR RECOMMENDATIONS PROVIDED. References to trade names of other companies do not constitute a recommendation or endorsement of the associated products.