

BT-110 Conductivity Clamp

The BT-110 Conductivity Clamp is used to obtain in-plane ionic conductivity data on bare membrane samples.

Valuable research time and money can be saved by effectively analysing ionomer performance prior to catalyzation of the membrane and assembly of the MEA into a fuel cell.

Features

- Designed for use in a humidity chamber or liquid
- Test bare membrane samples
- Fabrication of a catalyzed sample (CCM or MEA) is not required
- In-plane, 4-electrode technique
- Membrane sample size: 25mm x 3mm
- Temperatures up to 150 °C



The advantage of the 4-electrode in-plane conductivity measurement is the ability to measure resistance due only to charge transport while excluding interfacial and charge transfer resistances. By considering only resistance due to ion transport, accurate assessment of in-plane membrane conductivity can be made.



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= Expertise²

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