

BT-112 / BT-115 CONDUCTIVITY CELL

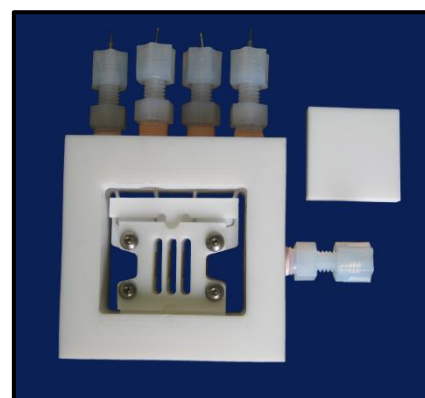


BT-112 / BT-115 Conductivity Cells are used to obtain in-plane ionic conductivity data on bare ionomer membrane samples using common single cell hardware.

Valuable time and money can be saved by analyzing ionomer charge transport resistance prior to catalyzation of the membrane and assembly of the MEA into a fuel cell.

FEATURES:

- ✓ Designed to be used with your existing test stand hardware
- ✓ Test bare membrane samples - Fabrication of a catalyzed sample (CCM / MEA) is not required
- ✓ True 4-electrode technique
- ✓ Small sample size: 25 mm x 3 mm
- ✓ Compatible cell fixtures: BT-112 (Scribner & Fuel Cell Technologies); BT-115 (Electrochem, Inc.)
- ✓ **New High Temperature Option to 200 °C**

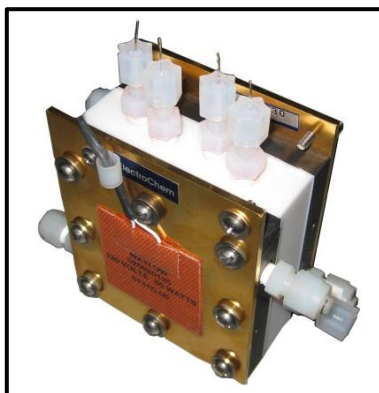


BT-112 Conductivity Cell

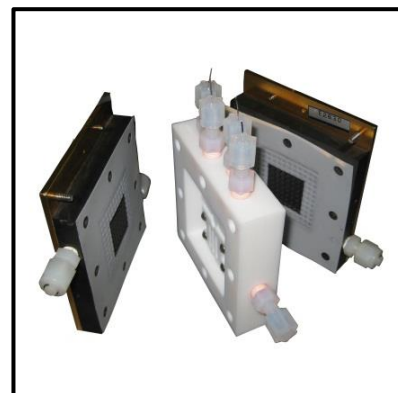
The advantage of the 4-electrode measurement is the ability to measure resistance due only to charge transport while excluding interfacial and charge transfer resistances. By measuring only the resistance due to ion transport, accurate assessment of in-plane membrane conductivity can be made.



BT-112 – Shown with SAI Test Fixture



BT-115 – Shown with EC Test Fixture



BT-115 Conductivity Cell

