

FUEL CELL HARDWARE

TP50 & TP5 Research Cells



- » Ability for use as a single cell or short stack (TP50 and TP5)
- » Special features suited to rapid screening of samples
- » Simple and reliable design
- » Custom test fixtures designed for your MEA dimensions
- » Unique sealing technology
- » Water heating for uniform temperature control
- » Quick release tie-rods (no tools required)
- » Optional electric heating

Features

TP50 Custom Cells

Built on the strong history of PEM fuel cell research at Canada's national labs, the TP-50 is a robust development tool using well established materials, techniques and quick assembly features.

- » Ideally suited for Sample Screening, Research & Development and Educational purposes.
- » Fluids are in contact with materials that have proven compatibility with PEM fuel cells (Ultem, Niobium, fuel cell grade graphite, stainless steel and silicone)
- » The sealing gaskets are simple and reliable and can accommodate MEA's.
- » Pre-assembled independently of the compression hardware making cell changes very quick and easy



TP5 Custom Cells

The TP-5 is a robust development tool using well established materials, techniques and quick assembly features.

- » All cell connections are made to the compression fixture - not the cell
- » Fluids are in contact with materials that have proven compatibility with fuel cells
- » Liquid thermal management for even temperature control
- » Sealing gaskets are simple and reliable to accommodate your MEA's
- » Pneumatic piston allows you to accurately maintain cell compression on your test article
- » The cell can be pre-assembled independent of the compression hardware
- » Can be configured as a single cell or as a short stack (up to 4 cells)



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