

# TDM Flex-Stak Educational Hydrogen Fuel Cell Kits



## Introducing the all new TDM Flex-Stak:

With our world's need for alternative sources of energy, fuel cells are leading the way with their efficient nonpolluting fuels. The Proton Exchange Membrane's (PEM) breakthrough technology creates DC electricity with hydrogen and oxygen from air as fuels. Another type of fuel cell that we offer is the Direct Methanol Fuel Cell (DMFC). The DMFC uses hydrogen like the PEM fuel cell, but instead of air uses methanol alcohol. The Flex-Stak exemplifies the latest fuel cell technologies, with the highest quality materials manufactured by the leaders in the fuel cell industry.

### About TDM Flex-Staks:

The TDM Flex-Stak fuel cell is designed to be flexible to each consumer's needs. With our specialized flexible design, the MEAs can easily be swapped out of the fuel cell and replaced with another type (such as PEM to methanol, or phosphoric acid MEAs). Our design also allows for expansion to the number of cells that the fuel cell holds. An increase of 5 cells could generate up to 12.5 watts more power, and our fuel cells can be expanded upwards of 20 cells.



### Expansion Kits:

Expansion kits are also available to increase output or as replacement cells:

- 1 cell expansion kit (1 bi-polar, 2 gaskets, 1 MEA) \$39.99
- 5 cell expansion kit (5 bi-polars, 10 gaskets, 5 MEAs) \$199.99

TDM's educational fuel cell kit contains all components to assemble a functioning fuel cell. The kit comes in five sizes:

- 1 cell kit (1-1.5 watts output) \$149.99
- 5 cell kit (5-7.5 watts output) \$199.99
- 10 cell kit (10-15 watts output) \$499.99
- 15 cell kit (15-22 watts output) \$649.99
- 20 cell kit (20-30 watts output) \$799.99



5 Cell Expansion Kit



20 Cell Flex-Stak

### Placing your order:

Visit [TDMFuelCellStore.com](http://TDMFuelCellStore.com) for more information and to place your order. Payment is acceptable by Visa, MasterCard, purchase order, or check. Contact us at 908-479-9875 or [ctanzola@tdmfuelcellstore.com](mailto:ctanzola@tdmfuelcellstore.com) for any inquiries.

Fully assembled fuel cell stacks are also available at no extra charge. A **FREE** storage case is included with the 5, 10, 15, or 20 cell kits!

A flathead screwdriver, torque wrench with 3/8-inch socket, flat clean non-conductive table space, and paper towels are for assembly. Hydrogen supply and 1/4 inch tubing is required for operation.

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