



# FuelCell Training 100

## TRAINING PANEL



**The ultimate generation training panel for studying and testing PEM hydrogen fuel-cell technology up to 100W power thru variable load.**

**This trainer has been designed for the study of fuel cell systems. It teaches engineering principles and it allows performing a set of experiments for educational purposes. It is safe and easy to be operated.**

**Furthermore, it is very flexible, modular and suitable for the understanding of basic principles as well as more complex technology concepts.**

**Software for data acquisition and processing included**

### Technical Data

Fuel-cell stack PEM up to 100 W and  
Performances: 14 V at 7.2 A

H2 consumption: 1.4 l/min. and Complete of  
electronic controller

Mini metal hydrides cartridge MyH2 300 up to  
3000l storage and 3 running hours.

DC-DC converter, output 12 V, 8 A

Load bench including halogen bulb lamp, 12 V, 50  
W, LED bulb lamp, 12 V, 3 x 1W

Battery 12V, 7Ah for fuel-cell auxiliaries

Module with measurement tools including:

- 2 voltmeters, 40 V,
- 1 amperometer, 10 A,
- 3 displays for temperature, pressure and flow monitoring.

# Options



**MyH2, metal hydrides canister to store hydrogen.**  
**Capability: 600l - 900l - 2000l - 3000l**



**HyPEM XP Electrolyzer for filling the hydrides storage canister or for supplying H2 fuel directly to fuel-cell**



**Pressure regulator with connection kit for refills of metal hydrides canister**



# Contact



Via Einstein 38, 20062 Cassano d'Adda | +39.0363.702.115 | [www.h2planet.eu](http://www.h2planet.eu)