

FCH-020



LWH22-10L-5

HYDROSTIK PRO

Reversible metal hydride cartridges are the technology that HYDROFILL is designed to refill. Provide power for your electronic devices with safe, IATA-approved solid-state hydrogen.



PRODUCT DESCRIPTION

HYDROFILL PRO is a "hydrogen on demand" desktop refueling station designed for easy and automatic refilling of HYDROSTIK PRO metal hydride cartridges. Add pure water and connect to the AC grid, DC solar or wind power solutions for a completely self-sufficient, renewable hydrogen system. Compatible with fuel cell power devices above 2W, and up to 30 W, HYDROFILL PRO is particularly suited for schools, labs and technical learning facilities.

FEATURES

- ✓ Input is water and electricity (DC to AC cord supplied)
- ✓ Compatible with solar or wind turbines (requires 25W DC power input)
- ✓ Produces and stores hydrogen safely in a non-compressed, solid metallic form
- ✓ Perfect for science kits such as Horizon Energy Box, Electric Mobility and Micro-Fuel Cell Science Kit
- ✓ Indispensable for HYDROSTIK based engineering projects such as EDUSTAK PRO, EDUSTAK Junior, H-Cell 2.0 and the Fuel Cell Developer Kit



LANGUAGE PACK

- ✓ Assembly Guide:
- ✓ Technical Support Guide:
- ✓ Language on the box:

KIT CONTENT

- ✓ HYDROFILL PRO unit
- ✓ AC-DC adapter
- ✓ User Manual



SPECIFICATIONS

Stack type	PEM electrolysis cell
Dimensions (WxDxH)	145x153x208 mm (5.7x 6x8.2 in)
Weight	1.8Kg ±5% (3.97Lbs ±5%)
Rated power	≤23W
Input voltage	DC: 10V-19V
Water input	De-ionized or distilled water
Water temperature	10-40°C (50-104°F)
Water consumption	Approx. 20ml/hr (1.2in3 /hr)
H2 output pressure	0-3.0 MPaG (0-435.11 PSI)
H2 generation capacity	Up to 3L/hr (0-183 in /hr)
Purity	99.99%
Compatible cartridge	HYDROSTIK & HYDROSTIK PRO
Refilling time for one Cartridge	Around 4 hours (at 25°C room temperature)

CERTIFICATION

CERTIFICATE OF CONFORMITY, LOW VOLTAGE DIRECTIVE 2006/95/EC, ELECTROMAGNETIC COMPATIBILITY DIRECTIVE 2004/108/EC, EN 61000-6-1:2007, EN 61000-6-3: 2007 + A1:2011, EN 60335-1:2012

PACKING INFORMATION

Case Pack Quantity (units):	1	
Master Pack Quantity (units):	6	
Packaging Type:	cardboard	
20' Container (units):	2210	
40' Container (units):	4510	
Unit Box Length (cm/in):	27	10.4
Unit Box Width (cm/in):	21	8.3
Unit Box Height (cm/in):	18	6.9
Unit Volume (Litres/Cubic Meters):	10.2 /	0.010
Unit Box Weight (kg/lbs):	2.55 /	5.6
Case Pack Length (cm/in):	55 /	21.65
Case Pack Width (cm/in):	45 /	17.72
Case Pack Height (cm/in):	29 /	11.42
Case Pack Volume (Litres/Cubic Meters):	71.8 /	0.072
Case Pack Weight (kg/lbs):	14.7 /	32.41

*The cartons' size may vary between ± 1-2 cm.

LOGISTICS INFORMATION

Item UPC-Code:	6942503409024
Item HS-Code:	-
Manufactured in:	Shanghai, China
Local Warehouse	Prague, Czech Republic
FOB Harbor:	Los Angeles, USA
First Ship Date:	available now
Minimum Order:	1