

**FCH-020**



**LWH22-10L-5**

## HYDROSTIK PRO

Reversible metal hydride cartridges are the technology that HYDROFIL 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

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

<b>Case Pack Quantity (units):</b>	1	
<b>Master Pack Quantity (units):</b>	6	
<b>Packaging Type:</b>	cardboard	
<b>20' Container (units):</b>	2210	
<b>40' Container (units):</b>	4510	
<b>Unit Box Length (cm/in):</b>	17.5	6.89
<b>Unit Box Width (cm/in):</b>	20.8	8.19
<b>Unit Box Height (cm/in):</b>	26.7	10.51
<b>Unit Volume (Litres/Cubic Meters):</b>	9.7	/ 0.010
<b>Unit Box Weight (kg/lbs):</b>	1.97	/ 4.34
<b>Case Pack Length (cm/in):</b>	55	/ 21.65
<b>Case Pack Width (cm/in):</b>	45	/ 17.72
<b>Case Pack Height (cm/in):</b>	29	/ 11.42
<b>Case Pack Volume (Litres/Cubic Meters):</b>	71.8	/ 0.072
<b>Case Pack Weight (kg/lbs):</b>	14.7	/ 32.41

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

## LOGISTICS INFORMATION

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