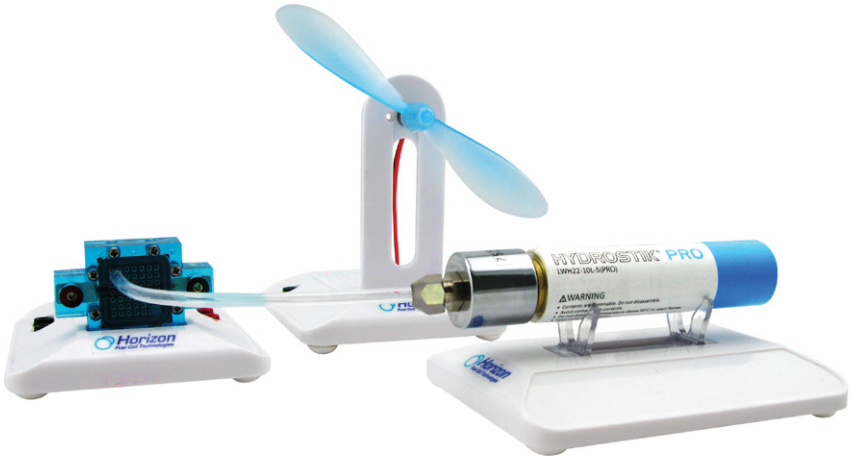
Micro Fuel Cell Science Kit

FCJJ-44

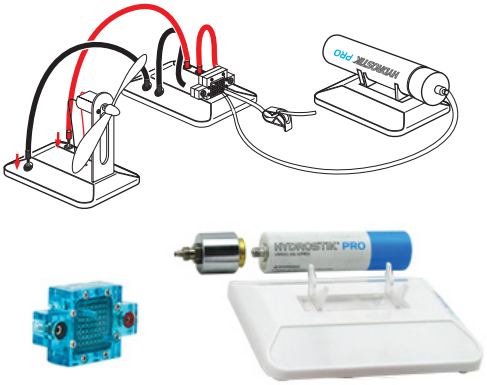


Product Description

Explore the future of energy storage with Horizon's micro fuel cell kit. Power a mini turbine by converting solid state hydrogen in the HYDROSTIK PRO metal hydride cartridge into electrical energy via a Horizon PEM fuel cell. Kids can see the effect as the hydride slowly cools and releases hydrogen into the fuel cell. The process is a model for all micro fuel cell systems— a working example of solid hydrogen storage that can lead to many interesting and creative application ideas.

Features

- ✓ Up to 30 hours of runtime on one full cartridge
- ✓ Features reversible metal hydride cartridge— discover solid hydrogen storage!
- ✓ Develop your own micro-fuel cell applications
- ✓ Easy to integrate and use
- ✓ Compatible with other Horizon science kits



Add-on

Create your own hydrogen powered devices that can be completely self-sufficient, with the optional addition of the HYDROFILL PRO hydrogen station.



Language Pack

- ✓ Assembly Guide :
- ✓ Technical Support Guide:

Micro Fuel Cell Science Kit



Kit Content

- ✓ Micro-fuel cell
- ✓ HYDROSTIK PRO (hydrogen storage)
- ✓ Pressure regulator
- ✓ Fan module
- ✓ Fan blade
- ✓ HYDROSTIK PRO base
- ✓ Micro-fuel cell base
- ✓ Wires
- ✓ Fan blade adapter
- ✓ HYDROSTIK PRO support
- ✓ Clamp
- ✓ Silicon tubes

Certification

ROhS, EN71:PART1;PART2;PART3, EN62115, PHTH-EU, ASTMF963, CPSIA-LEAD, CPSIA-LEAD, CPSIA-PHTHALATES, REACH, EMC, CA.

Packing Information

Case Pack Quantity (units):	1		
Master Pack Quantity (units):	24		
Packaging Type:	cardboard		
20´ Container (units):	6550		
40´Container (units):	13360		
Unit Box Length (cm/in) :	21	/	8.27
Unit Box Width (cm/in):	15	/	5.91
Unit Box Height (cm/in):	10	/	3.94
Unit Volume (Litres/Cubic Meters):	3.2	/	0.003
Unit Box Weight (kg/lbs) :	0.4	/	0.88
Case Pack Length (cm/in):	63	/	24.80
Case Pack Width (cm/in):	44	/	17.32
Case Pack Height (cm/in):	35	/	13.78
Case Pack Volume Litres/Cubic Meters):	97.0	/	0.097
Case Pack Weight (kg/lbs):	13	/	28.66

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

Logistics Information

Item UPC-Code:	6942503405255
Item HS-Code:	-
Manufactured in:	Shanghai, China
Local Warehouse	Prague, Czech Republic
FOB Harbor:	Los Angeles, USA
First Ship Date:	available now
Minimum Order:	12

*All the information in this datasheet is subject to change without notice.
In case of doubt please contact the Horizon sales team.