

FCJJ-30



FCJJ-24

HORIZON ENERGY MONITOR

This ideal accessory to FCJJ-30 feeds live experiment data to your PC to be displayed as graphical data.

PRODUCT DESCRIPTION

The Electric Mobility Science Kit lets students experiment with tomorrow's sustainable transport solutions. Measure the superior energy density and power of the super capacitor. Compare different kinds of fuel cell technology, all of which convert elements into electrical energy: the salt water fuel cell and two types of micro-PEM fuel cells that exploit the energy efficiency of hydrogen fuel stored in the HYDROSTIK PRO metal hydride cartridge. Plus, you can demonstrate the power of sunlight with the solar panel and generate electricity with the hand crank.

FEATURES

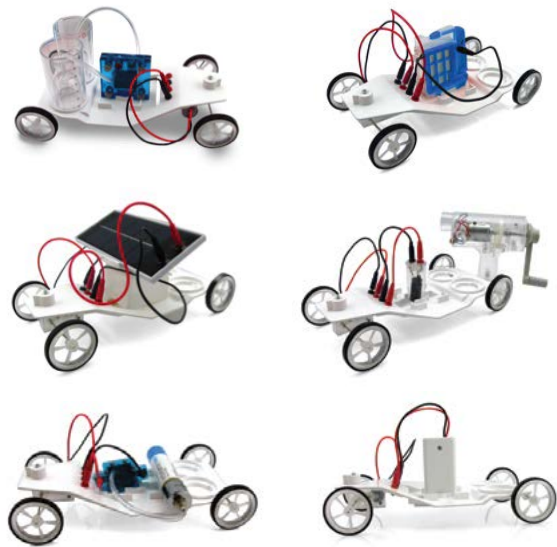


- ✓ 6 different models can be built with one chassis
- ✓ Examines the strengths and weaknesses of each solution
- ✓ Compatible with all other Horizon kits, for measurement, data logging etc.
- ✓ Includes fixed steering function at front of the vehicle

LANGUAGE PACK

- ✓ Assembly Guide :
- ✓ Technical Support Guide:

EXPERIMENTS & ACTIVITIES



- ✓ **Multi energy powered car experiments**
 1. Power a car with a hydrogen fuel cell (reversible and mini fuel cell)
 2. Power a car with a salt water fuel cell
 3. Power a car with solar energy
 4. Power a car with a super capacitor and hand crank
 5. Power a car with different forms of hydrogen (hydrogen gas and hydrogen hydride)
 6. Power a car with a battery



KIT CONTENT

- ✓ Reversible fuel cell
- ✓ Hand crank generator
- ✓ Salt water fuel cell
- ✓ Mini fuel cell
- ✓ Battery pack
- ✓ Solar panel
- ✓ Super capacitor
- ✓ HYDROSTIK PRO pressure regulator
- ✓ Solar panel support
- ✓ HYDROSTIK PRO
- ✓ U fixator for HYDROSTIK PRO
- ✓ Fuel solution container
- ✓ Water & hydrogen tank
- ✓ Water & oxygen tank
- ✓ Clamp
- ✓ Wires
- ✓ Syringe
- ✓ Silicon tubes
- ✓ Red and black pins
- ✓ Purging valve

CERTIFICATION

CoC, ROHS, EN71:PART1;PART2;PART3, EN62115, PHTH-EU, ASTM F963, CPSIA-LEAD, CPSIA-LEAD, CPSIA-PHTHALATES, REACH, CA.

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

PACKING INFORMATION

Case Pack Quantity (units):	1
Master Pack Quantity (units):	4
Packaging Type:	cardboard
20' Container (units):	1070
40' Container (units):	2185
Unit Box Length (cm/in):	43 / 16.93
Unit Box Width (cm/in):	33.5 / 13.19
Unit Box Height (cm/in):	23.5 / 9.25
Unit Volume (Litres/Cubic Meters):	33.9 / 0.034
Unit Box Weight (kg/lbs):	2.05 / 4.52
Case Pack Length (cm/in):	61 / 24.02
Case Pack Width (cm/in):	36 / 14.17
Case Pack Height (cm/in):	45 / 17.72
Case Pack Volume Litres/Cubic Meters):	98.8 / 0.099
Case Pack Weight (kg/lbs):	8.2 / 18.08

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

LOGISTICS INFORMATION

Item UPC-Code:	6942503405286
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