

FCJJ-35



FCJJ-24

HORIZON ENERGY MONITOR

This ideal accessory to FCJJ-35 feeds live experiment data to your PC to be displayed as graphical data.

PRODUCT DESCRIPTION

The Super Capacitor Science Kit introduces students to the extraordinary storage and power potential of the super capacitor. Create energy from the hand crank and monitor energy storage with a charge level indicator. Then demonstrate the energy density and power of the super capacitor by running a small fan module. With super capacitors an integral part of the automotive revolution currently changing the way we think about transport, this is the ideal kit to explore the principles of high density energy storage.

FEATURES

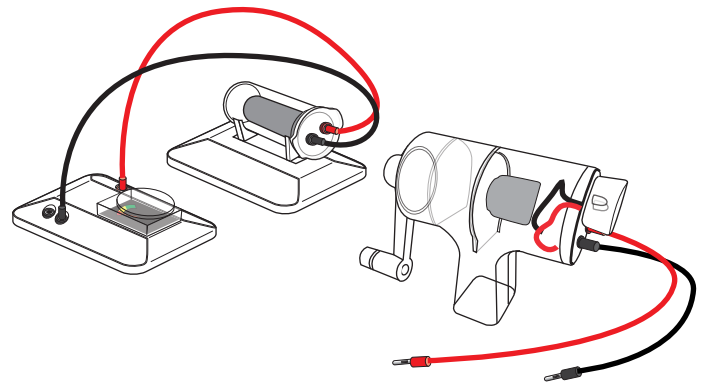


- ✓ Features hand crank, super capacitor, charge level indicator and load
- ✓ Super capacitor can be charged by hand crank, then used to power load
- ✓ Level indicator shows charge level of the super capacitor
- ✓ Comes with CD, experiments and curriculum

LANGUAGE PACK

- ✓ Assembly Guide :
- ✓ Technical Support Guide:

EXPERIMENTS & ACTIVITIES



- ✓ **Mechanical / electrical energy experiments**
- 1. Explore the concept of hand crank energy generation
- 2. Explore the concept of super capacitor energy storage
- 3. Power a fan with electrical energy from the super capacitor
- 4. Power a fan with mechanical energy from the hand crank



KIT CONTENT

- ✓ Hand crank generator
- ✓ Potentiometer
- ✓ Super capacitor
- ✓ Fan module
- ✓ Fan blade
- ✓ Capacitor base
- ✓ Capacitor support
- ✓ Wires
- ✓ Renewable Energy Curriculum CD

CERTIFICATION

CoC, ROHS, EN71:PART1;PART2;PART3, EN62115, PHTH-EU, ASTM F963, 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):	12
Packaging Type:	cardboard
20' Container (units):	3275
40' Container (units):	6680
Unit Box Length (cm/in):	30 / 11.81
Unit Box Width (cm/in):	21 / 8.27
Unit Box Height (cm/in):	9.7 / 3.82
Unit Volume (Litres/Cubic Meters):	6.1 / 0.006
Unit Box Weight (kg/lbs):	0.59 / 1.30
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):	7 / 15.43

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

LOGISTICS INFORMATION

Item UPC-Code:	6942503405231
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