Bio-energy Science Kit









HORIZON ENERGY MONITOR

This ideal acessory to FCJJ-22 feeds live experiment data to your PC to be displayed as graphical data.

Product Description

The Bio-energy Science Kit is a great way to find out how a direct ethanol fuel cell works. Unlike most fuel cells which use either hydrogen or methanol as a fuel source, the Bio-Energy Kit is a working demonstration of the conversion of ethanol to electrical energy. The process is silent, requiring no combustion, and can run for hours. Explore the next generation of fuel cell technology.

Features



 \checkmark Understand the principles behind ethanol fuel cell technology

✓ Hands on experimentation with novel technology

 \checkmark Includes pH paper to shows the change in the physical properties of the of the consumed ethanol fuel

 \checkmark Includes experiment guide on CD as well as a complete manual

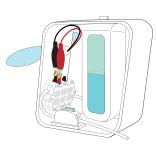
 \checkmark The fuel solution can be made with household items

Language Pack

- ✓ Assembly Guide :
- ✓ Technical Support Guide: 💥 🤤



Experiments & Activities





✓ Bio-energy experiments

- 1. Create electricity from ethanol and water
- 2. Exploring polarity
- 3. Ethanol fuel consumption
- 4. Exploring the effect of varying fuel concentrations
- 5. Create electricity from wine and beer
- 6. Exploring the effects of temperature

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Kit Content

- ✓ Plastic base with ethanol storage
- ✓ Rubber tubing
- ✓ Purging valve
- ✓ Electric motor
- ✓ Wire leads with clips
- 🗸 Fan blade
- ✓ Direct Ethanol Fuel Cell
- \checkmark Container for mixing ethanol solution
- ✓ pH paper measuring strips
- ✓ Lid for ethanol storage
- ✓ Renewable Energy Curriculum CD

Certification

ROhS, EN71:PART1;PART2;PART3, EN62115,

- PHTH-EU, ASTMF963, CPSIA-LEAD,
- CPSIA-PHTHALATES, REACH, CA, EMC.

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

Packing Information

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

Logistics Information

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6942503410037
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Prague, Czech Republic
Los Angeles, USA
availablenow
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