FCT-P01 Hydrogen Fuel Cell Car

Key Features:

- Easy to set up
- Solar car experiments
- Reversible fuel cell for H2/O2 or H2/Air operation

The Model hydrogen car is equipped with a reversible fuel cell enabling the car to produce its own Hydrogen when an external voltage is applied. Charging time is approximately two minutes with a power supply and seven minutes with a battery.

Experiments

- Building a model hydrogen car
- Producing and storing hydrogen
- Determining characteristic curves of a solar panel
- Hydrogen / Oxygen or Hydrogen / Air operation
- Determining characteristic curves of an electrolyser
- Determining electrolyser efficiency
- Learning about Faraday's laws
- Determining characteristic curves of a fuel cell
- Determining fuel cell efficiency
- Determining decomposition voltage of water

Specification

Electrolyser mode	5cm3/min H2, 2.5 cm3/min O2, 1.16W
H2/O2	300 mW
H2/Air	100 mW
Gas storage	30 cm3 H2/ 30 cm3 O2
Solar module	2.0 V / 600 mA
Battery Box	4.5 VDC / 0.8 A
Power supply	1.2 A
Boxes Dimensions	H100 x W115 x D260 mm
Weight	1.3 kg

Ordering Information

Model Number:	**FCT-P01**
Consists of:	Car
	Solar Panel
	Distilled water
	Battery Pack
	Power supply
	Textbook

Notes.

1. Specification is subject to change without notice.

2. All dimensions are in mm unless otherwise stated

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