

CIRCUIT BOARD KIT - Worcester style

Cat: EM0890-001 electricity kit

DESCRIPTION:

This is a circuit board, 300mm square, with 16x strong upstanding pins for the connection of components for the teaching of basic electricity. Each component has a metal tab that makes a reliable connection to the pins. IEC has more advanced electricity kits in its range.

Kit is complete with joiners, various types of wire for heating and melting experiments, globes, cables with alligator clips, battery holders for 'D' cells, lamp holders, press switch, thin copper foil, carbon electrodes and an excellent experiment book.

Experiments are limited to very basic electricity, series and parallel connection of lamps, basic electroplating, electro magnetism, conductivity and more. For more flexible teaching and for entry into more advanced experiments, including AC induction and transformers.

For more advanced kits for teaching AC & DC Electricity, more advanced AC electrical theory and basic Electronics, analogue, digital and systems see also EM1763-001, EM1764-001, EM0060-001, EM1766-001, EM1767-001, EM1765-001 (with Photonics) and EM2193-001 for motors.

EM0890-001 circuit board kit



Physical size: Base 300x300mm, 16 pins

Weight: 1.25 kg

**KIT CONTENTS:**

Qty	Component description
1	Base board with 16x pins
12	Plain connectors to fit pins
10	Lamp holders with tabs to fit pins
3	Cell holders for 'D' cells with tabs to fit pins
2	Press switches with tabs to fit pins
1	Rheostat (small, rotary) with tabs to fit pins
1	Rectifier diode with tabs to fit pins
1	Resistor, 3.9 ohms, with tabs to fit pins
20	MES lamp globes
2	Soft iron nails
1	Electrode support disc (insulating)
1	Pair cables with 4mm banana plug and alligator clip
1	Pair cables with alligator clips
2	Alligator clips
1	Coil of bare copper wire (50g x 24 SWG)
1	Coil of bare resistance wire (4m x 34 SWG)
1	Coil of PVC covered wire (2.5m)
1	Packet of pencil leads for electrodes
1	Sheet of copper foil
1	Experiment manual

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