



## SOLARIMETER RE580C



Year 1  
study

### Features

- Data transmission RS-232 port
- Display LCD
- Power 4 Lithium-ion batteries

### Description

Allows solar insolation (thermal radiation) reaching the solar panel to be quantified.

### Related Laws/Applications

- Thermal Radiation
- Solar Insolation

### Learning capabilities

- Investigation of the solar irradiation level across the solar panel to be investigated and averaged
- Investigation of the solar panel conversion efficiency (Incident radiation v Electrical power output)

### Technical Specification

- Measurement range: 0 to 2,000 W/m<sup>2</sup>
- Resolution: 1 W/m<sup>2</sup>
- Accuracy:  $\pm 10$  W/m<sup>2</sup> or  $\pm 5\%$
- Spectral range: 400 to 1,100nm
- Memory: 32,000 readings

### Essential Ancillaries

- RE580

### Recommended Ancillaries

- RE580B
- RE580D
- RE580E
- RE580F
- RE580G
- RE580H

**What's in the Box?**

- 1 x RE580C
- Packing list
- Test sheet

**Weights & Dimensions**

- Weight: 0.2kg
- Length: 64mm
- Width: 34mm
- Height: 111mm

**Essential Services**

- RE580

**Operational Conditions**

- Operating temperature range: 0 to +50°C
- Operating humidity range:

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COUNTRY OF ORIGIN - UK WARRANTY PERIOD - 5 YEARS