



## SOLARIMETER REA3



### Features

- Measuring range: 0 ... 2000 W/m<sup>2</sup> or 0 ... 634 BTU/(ft<sup>2</sup> x h)
- Resolution: 0.1 W/m<sup>2</sup> or 0.1 BTU/(ft<sup>2</sup> x h)
- Accuracy: ±10 W/m<sup>2</sup> or ±3 BTU/(ft<sup>2</sup> x h) or ±5%; whichever is greatest in sunlight

### Description

This photovoltaic (PV) light meter is used to measure solar radiation, solar energy, or solar power. The meter's easy-to-read 4-digit LCD screen clearly displays P<sub>tot</sub> in W/m<sup>2</sup> or BTU/(ft<sup>2</sup> x h), the device includes an auto data memory store. This unit is matched so as to provide the range required to operate with the PA Hilton range of renewable units.

### 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 ... 2000 W/m<sup>2</sup> or 0 ... 634 BTU/(ft<sup>2</sup> x h)
- Angular accuracy Cosine corrected
- Drift: Less than 2% per year

### Recommended Ancillaries

- Custom matched for use with PA Hilton RE540 and RE580 Renewable Energy Study Units

### What's in the Box?

- 1 x photovoltaic meter with internal sensor
- AAA Li-ion batteries included
- 1 x Carrying case

### Weights & Dimensions

- Net dimensions: 134mm x 48mm x 23mm
- Weight: 90g inc. Batteries.

### Operational Conditions

- Operating temperature range: -20°C to 50°C

### Ordering information

To order this product, please call PA Hilton quoting the following code: REA3 - Solarimeter