

## SPECIFICATIONS

### Range:

0 to 1,750 W m<sup>-2</sup>(0 - 350 mV)

### Sensor Dimensions:

2.4 x 2.75 cm

### Cable Length:

3 m

# Pyranometer Sensor

The pyranometer measures the solar radiation flux density (in watts per metre square) from a field of view of 180 degrees. It is completely water proof, submersible, and designed for continuous outdoor use.

Accurate measurement depends on cleanliness of the lens, and installation at horizontal (180°). The domed top of the pyranometer is self-cleaning and comes with a leveling plate for proper installation.

For use with the Em50 Data logger.

### Conversion Equation:

Use the following equation to convert raw data to solar radiation (Watts per m<sup>2</sup>):

$$W/m^2 = (RAW)(1500/4096)(5.0)$$



### ICT International Pty Ltd

PO Box 503  
Armidale NSW 2350  
AUSTRALIA

Ph: [61] 2-6772-6770  
Fax: [61] 2-6772-7616

sales@ictinternational.com.au  
www.ictinternational.com.au