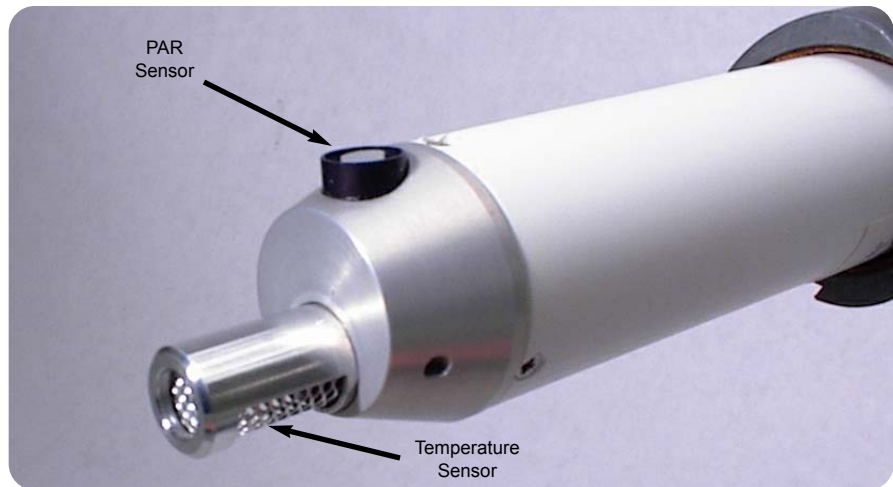


TRP-1 Temperature/Light (PAR) Measuring Probe



For use with our range of CO₂ & H₂O infrared gas analyzers

PP Systems' range of environmental probes are suitable for general monitoring applications as well as interfacing with our range of CO₂ and H₂O analyzers to enhance measurement capability.

The TRP-1 measuring probe is designed to measure both temperature and PAR (Photosynthetically Active Radiation). It is fitted with a high precision temperature and PAR sensor.

The TRP-1 is supplied with a sample pipe to connect up to the infrared gas analyzer. The analyzer then draws its sample gas over the TRP-1 temperature sensor. The temperature sensor is protected by aluminum gauze.

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Technical Specification

Temperature Sensor

Precision Thermistor
Range: 0-50^o C
Accuracy: +/- 0.3^o C at 25^o C

PAR Sensor

Filtered silicon cell, fully cosine corrected.
Range: 0-3,000 $\mu\text{mol m}^{-2} \text{sec}^{-1}$
Accuracy: +/- 10 $\mu\text{mol m}^{-2} \text{sec}^{-1}$

Output

0-1V linear output

Housing

Rugged, aluminum housing with white PVC coating to reflect radiation and insulate the housing. A standard 1/4" tripod thread is built into the probe.

Cable

1 Meter

Connector

The appropriate connector will be fitted to the probe for use with our analyzers.

Dimensions

16.2 (Length) x 3.45 (Diameter) cm

Weight

0.16 kg. (0.22 kg. including cable)

Note. If the TRP-1 probe is not going to be used with one of our gas analyzers, please consult with PP Systems.

PP Systems is continuously updating its products and reserves the right to amend product specifications without notice.



06/15/05

Data Sheet

