For over 25 years, PP Systems has been manufacturing high quality instrumentation for researchers worldwide. We offer a sensor for accurate measurement of quantum flux of PAR (Photosynthetically Active Radiation) for use with our range of CO₂ infrared gas analyzers enhancing measurement capability.

This PAR sensor forms a self-contained unit for portable or static operation. The sensor and conditioning circuit are mounted in a waterproof aluminum housing.

![PAR Sensor Image](image)

**Technical Specification**

- **Spectral Range**: 400-700 nm
- **Detector**: Silicon photocell
- **Absolute Calibration Error (1)**: Typically <3%, max 5%
- **Filters**: Optical glass
- **Construction**: Anodized aluminum and "Delrin" acetal. Cosine corrected head. Waterproof to IP68, submersible, guaranteed to 4m depth
- **Dimensions**: 34 mm diameter, 65 mm height
- **Weight**: 200g, including 1m cable & connector
- **Power Supply**: 5-15 VDC @ 2mA
- **Output**: 0-1V = 0-3000 µmol m⁻² s⁻¹
- **Response Time**: 50 ms
- **Cable**: 1 meter, 4 core screened 7-1-4C
- **Connector**: 15 pin D connector
- **Operating Environment**: 0-100% RH, -20 to +70 °C

(1) Main source of this error is uncertainty of calibration of Reference Lamp. Calibration standards are directly traceable to N.P.L. standard references.

PP Systems recommends sensor calibration at least every two years.

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