



QCP-2000, Cosine PAR Sensors Measuring Downwelling Irradiance over PAR(400-700nm)

Cosine PAR sensors in our new QCP-2000 series, feature a newly-designed pressure housing and an improved cosine collector design. The standard sensor is rated to 2,000meters. However, by addition of a high-pressure connector, these instruments may be deployed to depths of 10,000m. As with our other "Q-Series" sensors, the QCP utilizes a filtered silicon photodetector that has a flat quantum response over PAR (Photosynthetically Active Radiation; 400 – 700 nm).

The most noteworthy improvement in this new series is the capability of direct connection to a PC or laptop computer. Our **QCP-2100** sensors contain imbedded calibration information and data are transmitted directly into the computer. This new low-power circuitry requires no batteries, relying instead upon power from the host computer's serial comport. Using the provided Windows-based data-acquisition software, these **QCP-2100** may operate at distances of 200 meters from the host PC or laptop computer. Our new **QCP-2150** sensor output's an ASCII data stream, upon power-up.

QCP-2200 linear output models, feature high-quality, low-drift, electrometer-grade amplifiers and are compatible with most commercially available 16-bit dataloggers.

QCP-2300, a logarithmic output version is also available. This sensor was designed specifically for integration with 12-bit CTD systems and dataloggers requiring a limited-range of signal input.



The QCP sensors are rugged and compact.

- *Compact, rugged, and low-cost*
- *1.1 cm diameter acrylic cosine collector*
- *Designed to measure downwelling PAR (400-700 nm) irradiance to depths of 10,000 meters*
- *QCP-2100 includes operating software allowing direct connection to a Windows PC or laptop computer*

Key Features

