

LP PYRA 08



**LP PYRA 08 - LP PYRA 08AC - LP PYRA 08AV
 PIRANOMETERS**

Delta Ohm manufactures, according to ISO 9060 and the recommendations of the WMO, the range of 2nd class pyranometers **LP PYRA 08**. These tools are robust, reliable, provided to withstand the adverse climatic conditions are suitable for installation in the field.

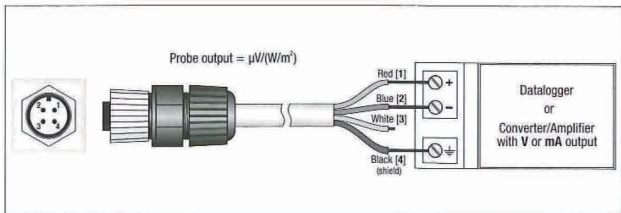
The pyranometer **LP PYRA 08**, measure the radiation on a flat surface (Watt/m²). The radiation measured is the sum of direct solar irradiance and diffuse irradiance (global radiation).

The sensors with mV output does not need power and have a typical sensitivity of 15 mV / (kW m⁻²). The pyranometer are also available with the output signal amplified and converted into a current signal 4 ... 20mA or voltage 0 ... 1 Vdc, 0 ... 5 V or 0 ... 10Vdc.

Each pyranometer is calibrated individually with reference to the WWR (World Radiometric Reference in Davos CH) and accompanied by calibration report.

LP PYRA 08 thanks to a new sensor used has a response time of less than 8 seconds and is used when it is necessary to record changes in short and very short-term irradiation.

LP PYRA 08 - LP PYRA 08BL CONNECTION DIAGRAMMS



Technical specifications		LP PYRA 08
Typical sensitivity		15 mV (kW/m ²)
Impedance		5Ω
Measuring range		2000 W/m ²
Viewing field		2πsr
Spectral field		305 nm – 2800 nm (50%) (Figure 1)
Working temperature		-40 °C – 80 °C
Specifications according to ISO 9060		
Response time (95%)		<8 sec
Zero Off-set		25 W/m ²
a) Response to a thermal radiation (200 W m ⁻²)		< ±6 W/m ²
b) Response to a change of temperature 5K/h		< ±2.5 %
Long-term instability (1 year)		< ±2 %
Non linearity		< ±22 W/m ²
Response according to cosine		< ±7 W/m ²
Spectral selectivity		<8%
Tilt response		< ±4 %

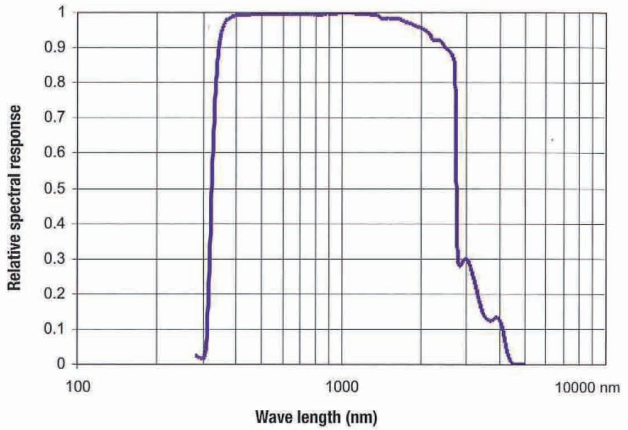
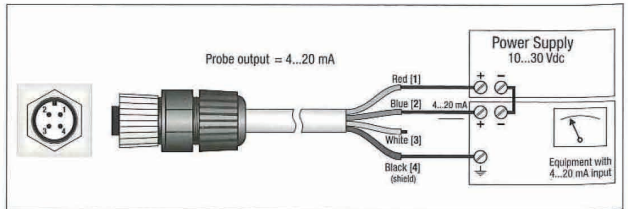


Figure 1. Typical spectral response of the pyranometers.

LP PYRA 08BLAC



LP PYRA 08BLAV

