LP PYRA 08

Technical specifications	LP PYRA 08
Typical sensitivity	15 mV (kW/m²)
Impedance	5Ω
Measuring range	2000 W/m²
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/m²
a) Response to a thermal radiation (200 W m⁻²)	<|±6| W/m²
b) Response to a change of temperature 5K/h	<|±2.5| %
Long-term instability (1 year)	<|±2| %
Non linearity	<|±22| W/m²
Response according to cosine	<|±7| W/m²
Spectral selectivity	<8%
Tilt response	<|±4| %

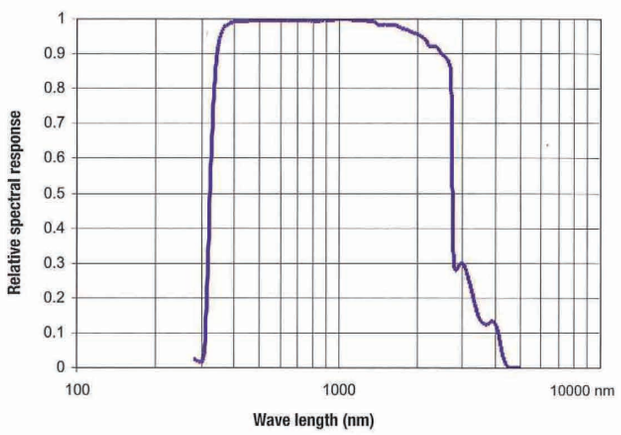


Figure 1. Typical spectral response of the pyranometers.

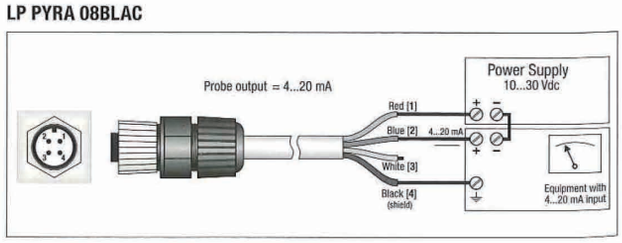
LP PYRA 08 - LP PYRA 08AC - LP PYRA 08AV PIRANOMETERS

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.

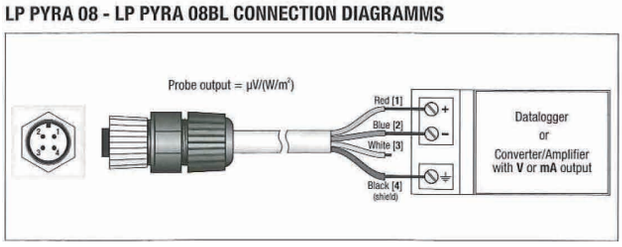
Each pyranometer is calibrated individually with reference to the WWR (World Radiometric Reference in Davos CH) and accompanied by calibration report.

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 08BLAC



LP PYRA 08 - LP PYRA 08BL CONNECTION DIAGRAMMS



LP PYRA 08BLAV