



Member of GHM GROUP



MEASURING **SOLAR** IRRADIANCE IN THE MOST EFFECTIVE AND ACCURATE WAY

Buy **experience:**
Delta OHM supplies Pyranometers to the market since over 20 years

Buy **efficiency:**
our Pyranometers are easy to set up and quick to install

Buy **accuracy:**
we supply each Pyranometer with an individual calibration report

Buy **the best:**
our Pyranometers are the only ones on the market with 6 years' warranty



Technical Specifications		LPPYRA10	LPPYRA02	LPPYRA03
WMO/ISO Classification*		Secondary standard	First Class	Second Class
Typical sensitivity		6 to 11 $\mu\text{V}/(\text{W}/\text{m}^2)$	6 to 12 $\mu\text{V}/(\text{W}/\text{m}^2)$	5 to 15 $\mu\text{V}/(\text{W}/\text{m}^2)$
Impedance		5 $\Omega \div 50 \Omega$	33 $\Omega \div 45 \Omega$	33 $\Omega \div 45 \Omega$
Measuring range		0-4000 W/m^2	0 \div 2000 W/m^2	0 \div 2000 W/m^2
Viewing field		2 π sr	2 π sr	2 π sr
Spectral range (50%)		283 nm ... 2800 nm	283 nm \div 2800 nm	300 nm \div 2800 nm
Operating and storage temperature range		-40 °C \div 80 °C	-40 °C \div 80 °C	-40 °C \div 80 °C
Weight		0.90 kg	0.90 kg	0.45 kg
ISO 9060 Specifications				
Response time 95%		< 5 s	< 10 s	< 20 s
Zero Off-set	a) Response to thermal radiation (200Wm ⁻²)	<7 W/m ²	15 W/m ²	25 W/m ²
	b) Response to temperature change 5K/h	< ± 2 W/m ²	< ± 4 W/m ²	< ± 6 W/m ²
Non stability over 1 year		< ± 0.5 %	< ± 1.5 %	< ± 2.5 %
Non-linearity		< ± 0.2 %	< ± 1 %	< ± 2 %
Cosine response		< ± 10 W/m ²	< ± 18 W/m ²	< ± 22 W/m ²
Spectral selectivity		< ± 3 %	< ± 5 %	< ± 7 %
Temperature response (-10°C to +40°C)		<1 %	< 4 %	< 8 %
Tilt response		< ± 0.2 %	< ± 2 %	< ± 4 %
Humidity Range		0 to 100%	0 to 100%	0 to 100%
Mean Time Between Failures		> 10 years	> 10 years	> 10 years
Accuracy of bubble level		< 0.1°	< 0.1°	< 0.2°
Ingress Protection (IP) rating		67	67	67
Version with shadow ring		✓	✓	✓ (only for passive version)
Warranty (years)		6 (registration required)	6 (registration required)	3
ISO 17025 Certification		on request	on request	on request

*Compliant with the new ISO 9060:2018



We look forward to your enquiry:
Phone +39 049 8977150
info@deltaohm.com

The qualitative level of our instruments is the result of a continuous evolving of the product itself. We reserve the right to perform modifications and corrections at any time without notice.

GHM GROUP - Delta OHM
Delta OHM S.r.L. a socio unico | Via Marconi 5
35030 Caselle di Selvazzano (PD) | ITALY