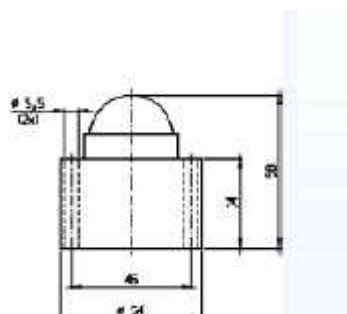


Manufacturer Certificate

We certificate with this document, that our product

Global Radiation Sensor (Pyranometer) (Art. 5069P)

Fulfills all of the following technical specifications. Additionally the product fulfils all standards which are applicable within the EC area (CE Conformity) and WMO standards. The 5069P is fully compliant with all ISO-9060 Second Class pyranometer performance specification criteria.



PARAMETERS	
Sensor	VTB4051
Calibration	Absolute difference max. 3%, typical +/- 2%
Sensitivity	Typically 441.5 [μ A]/1000 [W/m ²]
Linearity	Maximum deviation of 1% up to 3000 W m ⁻²
Stability	1% change over a 1 year period
Response Time	10 μ s
Temp. Dependence	0.15% per C
Cosine correction	Cosine corrected up to 80 degree of incidence
Azimuth	1% error over 360 degree at 45 degree elevation
Tilt	No error included from orientation
Operating temperature	-20 to 65 C
Relative Humidity	0 to 100%
Detector	High stability silicon photovoltaic detector (blue enhanced)
Sensor housing	Weatherproof PVC case with acrylic diffuser stainless steel hardware
Measuring Range	0-1500 Watt/sqm
Weight	170 g
Evaluation	ANALOGIC