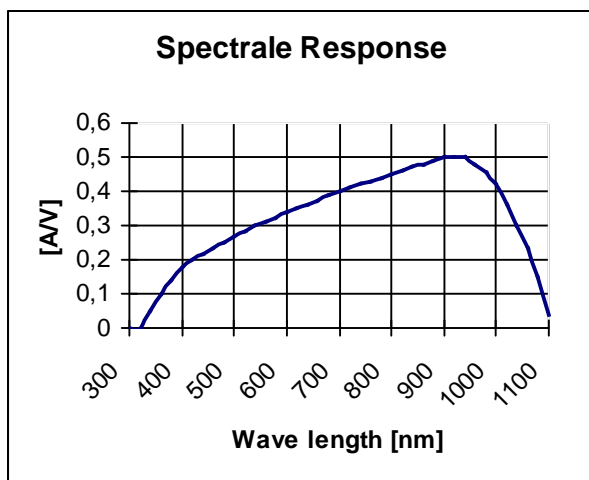


Manufacturer Certificate

We certificate with this document, that our product

SENSOR	PYRANOMETER SENSOR
Part.No.	MD5069P



PARAMETERS	
Sensor	EG&G VACTEC VTB4051
Calibration	Calibration against LI-200SZ under daylight 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
Size	2.5 cm Diameter x 2.54 cm Height
Weight	17g
Evaluation	ANALOGIC