

Calibrated cell



- ▶ Help in the evaluation of the behavior and of PV module conversion efficiency during the PV plants assessment using the same solar cell technology as the PV modules
- ▶ High performance calibrated reference cell
- ▶ Multi-technologies: Monocrystalline, Polycrystalline, Amorphous for the exact response to the used PV module
- ▶ Calibrated by a test laboratory and delivered with calibration certificate
- ▶ Measures radiation and cell temperature

High-performance calibrated cell. What really sets it apart from the rest of the market is the fact that this sensor is available in different cell technologies (Monocrystalline, polycrystalline, amorphous) – the user can select the technology that fits his own application. Furthermore, the calibration of every sensor is achieved by a reference element (quality grade A, constructed in an identical fashion) from an accredited test laboratory in W/m². A calibrating printout (similar to EN DIN 17025) reports the product specific parameters .

Technical Specifications

Order numb.		DPA048.1	DPA048.2	DPA048.3
Solar Radiation	Technology	Monocrystalline	Polycrystalline	Amorphous
	Accuracy	4%	5%	5%
	Output	~100 mV /1000 W/m ² @25°C		
	Temperature sensor	Pt 1000, laminated or bonded centrally under the cell		
General Information	Cable	Shielded, L=3m		
	Housing	Aluminum		
	Fixing	Bolts M 5 backside		
	Protection grade	IP66		
	Operative temperature	-25°÷80°C		
	Mounting	Mast Ø 48÷50 mm		
	Housing	Aluminium powder coating		
	Data logger compatibility	M-Log (ELO008), R-Log (ELR515.1) E-Log, Alpha-Log (using ALIEM module)		

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