

Calibrated cell



- ▶ Help in the evaluation of the behavior and of PV module conversion efficiency during the PV plants assessment
- ▶ High performance calibrated reference cell
- ▶ Monocrystalline technology
- ▶ Calibrated by a test laboratory and delivered with calibration certificate
- ▶ Measures solar radiation

High-performance calibrated cell. The sensor is available in Monocrystalline technology. Furthermore, the calibration of every sensor is achieved by a reference element from an accredited test laboratory. The solar cell is embedded in Ethylene-Vinyl-Acetate (EVA) between glass and Tedlar. The laminated cell is integrated in a powder-coated aluminum housing. Therefore the construction of the sensor is comparable to that of a standard PV module. A calibrating printout (similar to EN DIN 17025) reports the product specific parameters .

Technical Specifications

Order numb.	PRRDA4001	
Solar Radiation	Technology	Monocrystalline
	Accuracy	4%
	Output	~85 mV /1500 W/m ² @25°C
	Response time	0.001 s
	Offset	0 W/m ²
	Stability per year	0.5 %
	Non linearity	0.1%
General Information	Cable	Shielded, L=3m
	Housing	Aluminium powder coating
	Dimensions	155 mm x 85 mm x 39 mm
	Fixing	Lateral holes Ø 6.5 mm, 8.5 mm e 6.5 mm
	Protection grade	IP65
	Operative temp.	-35°...80°C
	Mounting	Mast Ø 48...50 mm
	Weight	0.4 kg
	Material	Embedded in Ethylene-Vinyl-Acetate (EVA) between glass and Tedlar
	Data logger compatibility	M-Log (ELO008), R-Log (ELR515.1), E-Log, Alpha-Log (with ALIEM module)