

Technical Data

Pyranometer SP-Lite



incl. amplifier

This silicon-pyranometer was especially designed for agro-meteorology, in particular to calculate evapotranspiration for precision irrigation purposes, to monitor solar panels in energy production, for air pollution dispersion calculations and similar applications

Dimensions	460 x 90 x 88mm
Weight	615 g (incl. arm & cable)
Sensitivity	~75 $\mu\text{V}/\text{Wm}^2$
Spectral Range	400 ... 1100nm
Max. Irradiance	2000 W/m^2
Temperature response	+/- 0.15% /°C
Non-stability	< 2% per year
Directional Error	\pm 5% at 80 degrees
Operating Temperature	-30°C ... 70°C / -22°F ... 158°F
Power Supply	5,6 ... 10V @ 3mA
Output Signal	0 ... 2,5VDC
Cable and Connector	2m cable, shielded, PUR coating; 7-pin Binder jack M9 male
Mounting	mast mounting arm, with brackets