Solarimeter
SL 100

New

CE

Technical features

SL100 instrument

Solar irrigation measuring range	from 1 W/m² to 1300 W/m²
Energetic exposure measuring range	from 1 Wh/m² to 500 kWh/m²
Frequency of measurement	2 / s
Accuracy	5% of measurement
Calculation frequency (W/m²)	1 / min (average on 60 seconds)
Capacity of measurement (Wh/m²)	3 days – Results saved when instrument is switched off
Operating temperature	from -10°C to +50°C
Storage temperature	from -10°C to +55°C
Housing dimensions	2.3 x 4.75 x 1.3 inches
Autonomy	more than 72 hours in continuous mode, when using a power supply adapter
Power supply	3 AAA batteries
Electronic	Digital
Electronic board	Varnish
Conformity	in accordance with RoHS directives

Solar cell

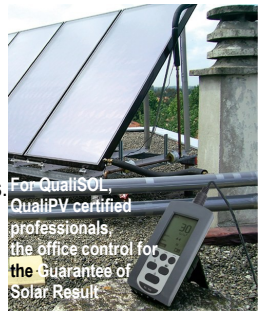
Spectral response	from 400 to 1100 nm
Nominal sensitivity	100mv for 1000W/m² *
Response in cosine	corrected until 80°
Coefficient in temperature	+0.1%/°C
Effective area	1 cm2
Operating temperature	from -30°C to +60°C
Humidity dependence	100% RH
UV performance	excellent (PMMA filter)
Mode	photovoltaic
Material	polycristallin silicon
Front face	translucent PMMA
Tightness	Polyurethane resin and housing in PMMA and polyacetol
Cell weight	2.1 oz
Cell dimensions	30 x 32 mm
Cable length	4.1 ft (can be unplugged)

Portable autonomous solarimeter can measure solar irrigation for the control of photovoltaic and thermal installations on test or on site:

- **Measurement and spot check of solar power in W/m²**
  - instantaneous,
  - average,
  - min./max. values,
  - hold function
- **Calculation of energetic exposure in Wh/m²** during timed dataset *
- **Results (Wh/m²) saved when instrument is switched off**

SL 100

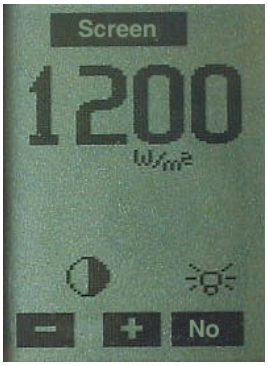
- Easy to use, for immediate information
- Evaluation of generated electric power, optimum orientation of solar panels, and performances follow-up.
- Choice and determination of thermal or photovoltaic generators features.



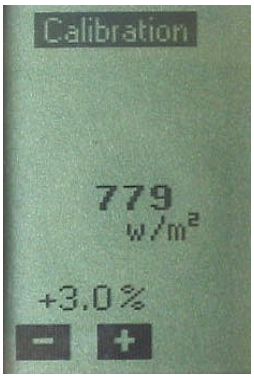
Presentation

① ② ③ **Functions** keys
④ **Delete and Back screen** key
⑤ **Screen** key
⑥ **On/Off** key

Settings



Adjust contrast and activate backlight



Calibrate instrument when being returned to laboratory

Remind last checking date

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