

Solarimeter SL 100



Technical features

SL100 instrument

Solar irrigation measuring range.....	from 1 W/m ² to 1300 W/m ²
Energetic exposure measuring range.....	from 1 Wh/m ² to 500 kWh/m ²
Frequency of measurement.....	2 / s
Accuracy.....	5% of measurement
Calculation frequency (W/m ²).....	1 / min (average on 60 seconds)
Capacity of measurement (Wh/m ²)	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.....	58 x 120 x 33 mm
Autonomy.....	more than 72 hours in continuous mode, when using a power supply adapter
Power supply.....	3 LR3-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/m ² *
Response in cosine.....	corrected until 80°
Coefficient in temperature.....	+0,1%/°C
Effective area.....	1 cm ²
Operating temperature.....	from -30°C to +60°C
Humidity dependence.....	100% RH
UV performance.....	excellent (PMMA filter)
Mode.....	photovoltaic
Material.....	polycrystallin silicon
Front face.....	translucent PMMA
Tightness.....	Polyurethane resin and housing in PMMA and polyacetol
Cell weight.....	60g
Cell dimensions.....	30 x 32 mm
Cable length.....	1,25 m (can be unplugged)

* SL100 is supplied with a calibration certificate in reference to the WRR (World Radiometric Reference).

** Timed : duration of dataset is expressed in DD/HH/MM/SS



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.

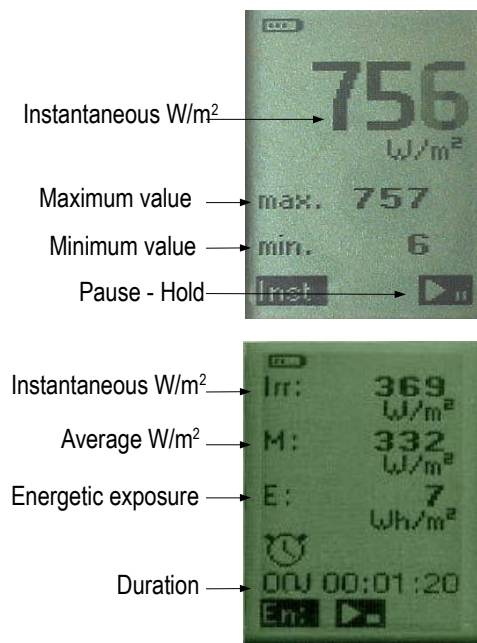


Presentation



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

Measurement



Settings



Adjust contrast and activate backlight



Remind last checking date



Supplied with ...

Transport case
3 LR3-AAA batteries
Instructions for use
Calibration certificate

Optional

Tripod
Fixing kit for solar panels
Extensions : 5m, 10m and on demand
Power supply adapter



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