



SunSniffer®

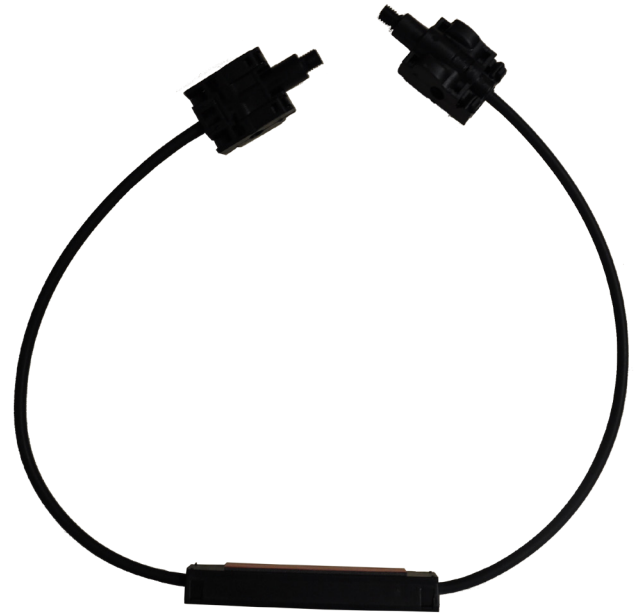
SunSniffer® Retrofit Quick Clip

The heart of the SunSniffer® technology for highly accurate detection of module data - easily retrofitted to already installed plants.

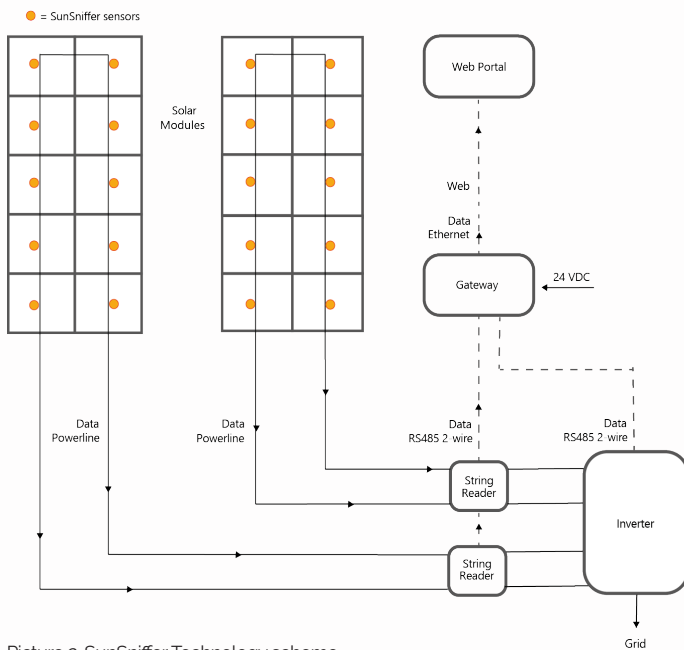


The heart of the SunSniffer® technology, the Sensor is deployed for module-level monitoring in solar panels. Installed in the special Retrofit Quick Clip, it can easily be connected to the modules and assolves the function of telemetry data collection and transmission:

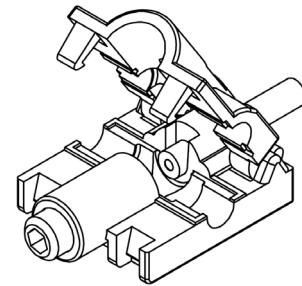
- **voltage (V)**
- **temperature (t°C)**
- **solar panel serial number**



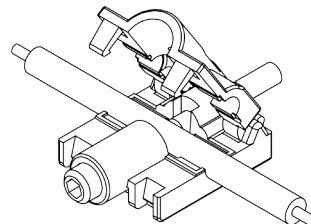
Picture 1. SunSniffer® Retrofit Quick Clip



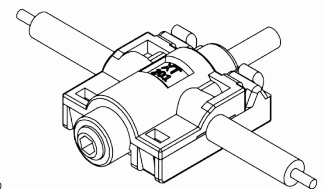
Picture 2. SunSniffer Technology scheme



Picture 3. SunSniffer® Retrofit Quick Clip connector open

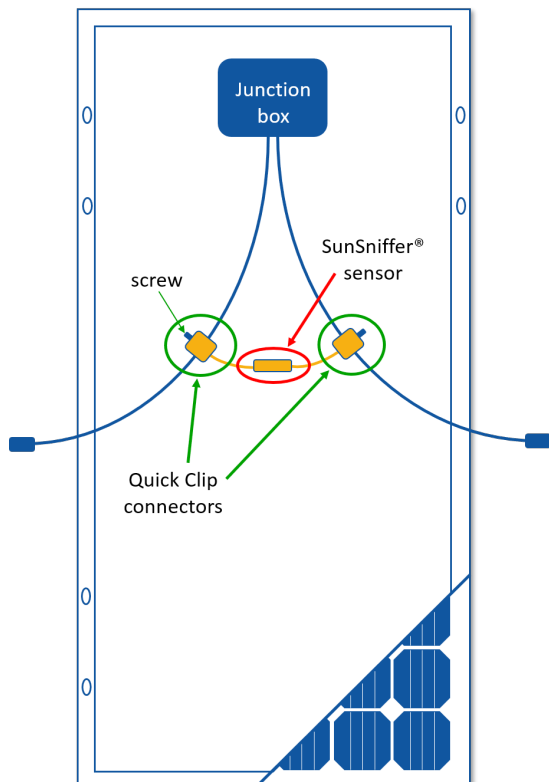


Picture 4. SunSniffer® Retrofit Quick Clip connector with solar cable, open



Picture 5. SunSniffer® Retrofit Quick Clip connector with solar cable, closed

SunSniffer® Retrofit Quick Clip



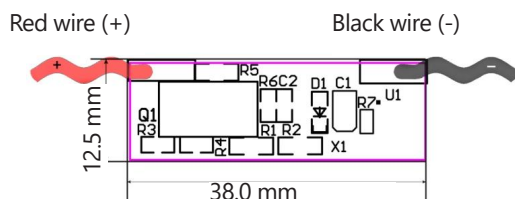
Picture 6. Easy and fast installation:
Just clip the Retrofit Quick Clip connectors
to the cables, turn the screw, done.

HOUSING TECHNICAL SPECIFICATIONS:

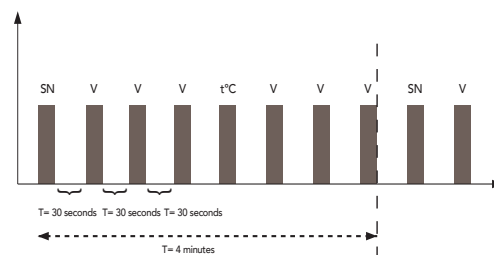
Rated current (J/D)	t.b.d.
Rated voltage	t.b.d.
Dimensions W x L x H	18 x 105 x 16 mm
Temperature range	-40°C~ 125 °C
Cable size	4.0 mm ² / 12 AWG
Protection degree	IP 67
Flammability class	t.b.d.
Cable length	31 cm / 31 cm

SENSOR TECHNICAL SPECIFICATIONS:

Measuring voltage rev. F	12 ~ 43 ± 0.2 V
Measuring voltage rev. K	5 ~ 53 ± 0.2 V
Temperature	-40 ~ +100 ± 1 °C
Current consumption	≤ 10 mAmp
Serial Number length (SN)	30 bit
Data transmission interval (T)	30 ± 0.4 sec
including:	
- temperature transmission interval (T _{rc})	4 ± 0.4 min
- SP full serial number transmission interval (T _{SNfull})	4 ± 0.4 min
- voltage transmission interval (T _v)	30 ± 0.4 sec
Dimensions (LxWxH)	38 x 12.5 x 4 mm



Picture 7. Sensor technical drawing and dimensions



Picture 8. Sequence of data packets