



SunSniffer[®] Sensor rev. K

SunSniffer[®]

The heart of the SunSniffer[®] technology for highly accurate measurement of module data.



The heart of the SunSniffer[®] technology, the Sensor is deployed for module-level monitoring in solar panels. Installed in the junction box, it assumes the function of telemetry data collection and transmission:

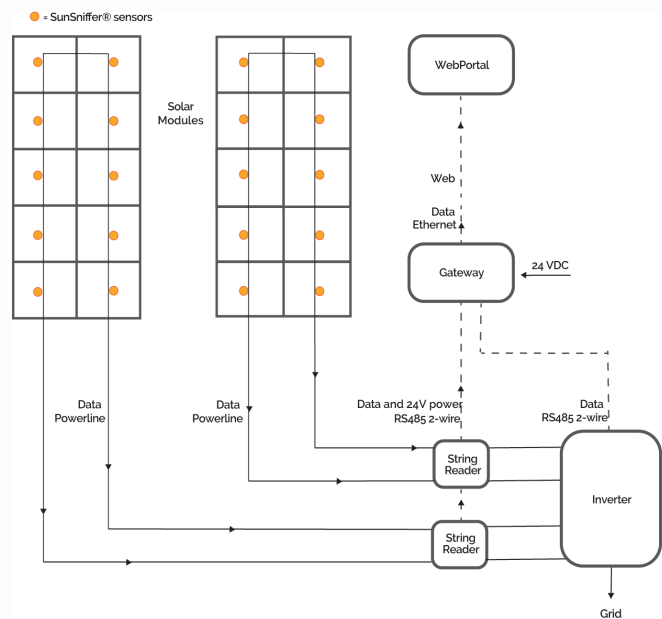
- **voltage (V)**
- **temperature (t°C)**
- **sensor serial number**



Picture 1. SunSniffer[®] sensor



Picture 2. SunSniffer[®] sensor - example of positioning in junction box

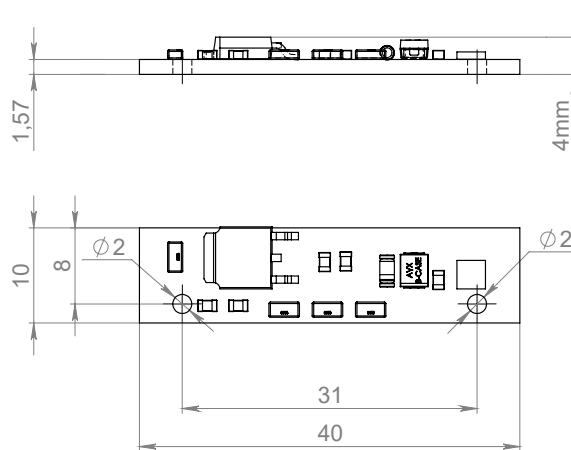


Picture 3. SunSniffer Technology scheme

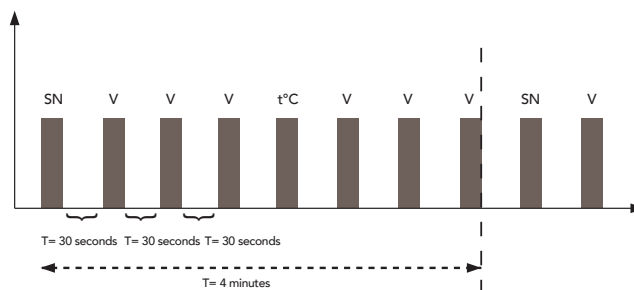
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TECHNICAL SPECIFICATIONS:

Dimensions (L x W x H)	40 x 10 x 4 mm
Weight	0.03 kg
Measurement voltage range	5 ~ 53 ± 0.2 V
Temperature	-40 ~ + 85 ± 1 °C
Current consumption	≤10 mAmp
Serial Number length (SN)	30 bit
Data transmission interval (T) including:	30 ± 0.4 sec
- temperature transmission interval (T _{t°C})	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



Picture 4. Sensor technical drawing and dimensions



Picture 5. Sequence of data packets

>>> Attention! Plant specifications stated by the customer in the „Compatibility Sheet“ have to be followed. Any deviation will lead to loss of warranty. The installation must be carried out by a specialist. In the event of improper installation, the warranty expires and no liability is assumed. <<<