

PVScanner

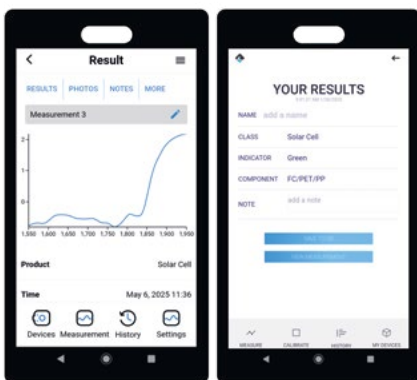


Verify what's inside. Instantly. Accurately. Anywhere.

Verification of bill of materials for PV modules in the palm of your hand

Applications

- › Onsite bill of materials (BOM) verification
- › Detection of BOM deviations in faulty modules
- › Incoming modules inspection to enable timely warranty claims
- › Direct identification of backsheet type for efficient quality control



Features

- › High sensitivity NIR optical sensor
- › Non-destructive probing
- › Results after seconds
- › Handheld and light
- › Local or cloud-based app usage
- › Continuously updated database for better results
- › 5 backsheet stacks implemented + EVA
- › Full spectral data available
- › Based on proven Nynomic technology
- › Employing data and AI model from HI ERN

HI ERN
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Specifications	Value
Wavelength range	1550 – 1950 nm
Light source	Tungsten Filament
Package size	82 mm x 82 mm x 27 mm
Communication	Bluetooth
Detector active area (NIR)	250 µm (diam.)
Measurement spot (NIR)	ca. 1.3 mm
SNR (NIR)	Typically 5000, with averaging of 100, wavelength step of 5 nm and acquisition time of 290 ms
Measurement time (NIR)	Typical 1 s
Operation temperature range	+10 – +50°C (non-condensing)
Storage temperature range	-20 – +60°C (non-condensing)



Key benefits

- Fast and accurate
- Android-based analysis app
- Portable
- User-friendly
- Cost-effective
- Local and cloud-based access



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