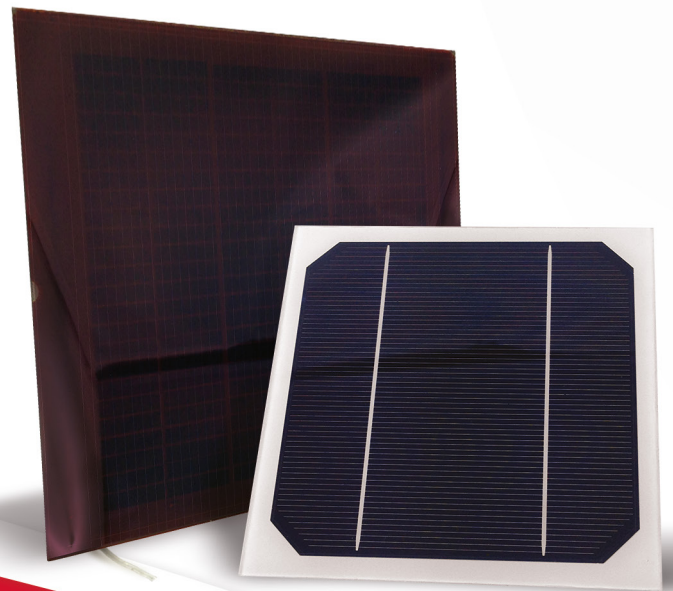
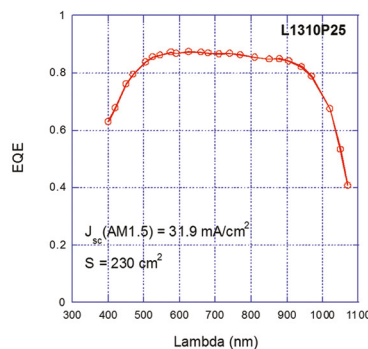


Fast and Flexible EQE System For large area cells or modules (30x30 cm²)

- QUEMA-1100 -

Based on LED light source
Total surface illumination
Use right after switch ON



- ✓ **Less than 30 s measurement**
- ✓ **Flexible bias light : S/W selectable**
- ✓ **No optical adjustment**
- ✓ **Stable measurement**

PARTNERS



Performances and Specifications

Wavelength range

- 400-1070 nm (standard) with 24 wavelengths
- 360-1700 nm option
- customized spectrum range

Measurements

- absolute EQE and SR
- J_{sc} (mA/cm²) deduced from SR and AM1.5 spectrum
- very fast EQE measurement : **15 to 30 s**
- I-V curve with irradiance up to 750 mW/cm² focused on 25 cm²

Bias Light

- software selectable bias light spectrum
- user can create it's own bias light spectrum file
- easy to use, no need any hardware change

Bias Voltage

- up to +/- 10 V

Cell/module type

- single junction PIN, NIP
- tandem : using bias light
- surface for EQE : up to 30x30 cm² active area

Stability

- reproducibility < +/-1% under stable RT conditions
- accuracy < 0.2 μ A

Options

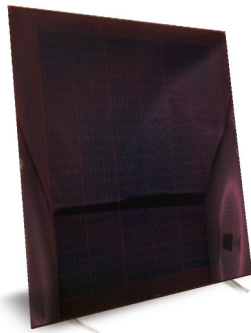
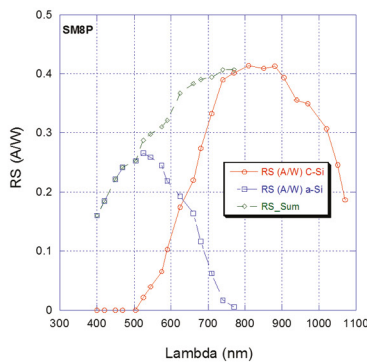
- reference cell
- customized sample holder and cell electrical contacts
- customized spectrum range

Dimensions

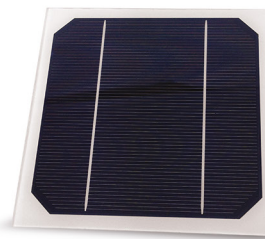
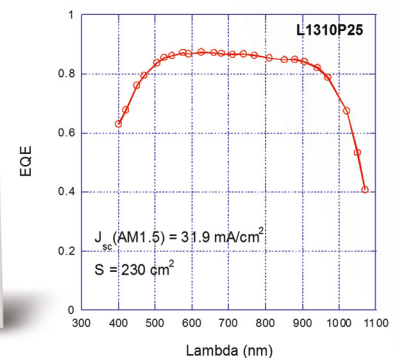
- compact light-box size : WxLxH (cm) = 50x55x35

Typical data

Spectral Response data of tandem module :
a-Si/c-Si (30x30 cm²)



EQE data of c-Si solar cell (15x15 cm²)



To contact us

www.tfscinstrument.com - info@tfscinstrument.com - Tel : +33(0) 1 69 19 43 49 - Mob : +33(0) 6 59 26 06 02