



Division 3: Thermosensorics and Photovoltaics

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In our new test laboratory for PV modules we offer a wide range of measurement techniques to give evidence about the performance of PV modules.

Since the price for solar power is based upon the lifetime of the solar generator components, a comprehensive quality inspection is of great interest for operators.

With the inspection methods here offered solar modules can be characterized extensively in advance of the installation or in case of reclamation:

**Labor:**

- Power measurements of PV modules with a pulsed solar simulator under standard test conditions (STC) and under low irradiation
- Calibration of irradiation sensors
- Electroluminescence
- IR Thermography

**In open air test side we offer:**

- Energy yield measurements of PV plants and power stations under real conditions
- Checkout of new PV systems.

**Our focus:**

- *Optimizing the operating time of PV modules*
- *Improving the energy yield of solar power plants.*