

PSS 8

Solar Simulator Device



Optimized for module production lines, Research & Development and off-line measurement

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The Pulsed Solar Simulator PSS 8 is optimized for module production lines, Research & Development and off-line measurement. It can be easily integrated into automatic and semi automatic handling systems by automation suppliers.

The system is available with options as a customized "Plug & Play" test station for manual and automatic use.

Product Specification

- › 10 ms constant measuring time
- › 1000 W/m² stable irradiance level over measuring time
- › Uniformity constant over lamp life time
- › AM 1.5 Spectrum
- › 2.4 m diagonal test area
- › 4.60 m required space over module
- › Optional filter systems for Multi Junction and R&D applications
- › Optional Light Reducer unit for Low Irridance and Rs measurements
- › 50 test cycles per hour



Technical Data

Mechanical Data

Weight: approximately 90 kg

Dimensions: 940 x 560 x 600 (H x W x L in mm)

Electrical Data

Voltage: 230 V or 115 V

Frequency: 50 Hz or 60 Hz

Power: 1100 W

Fuse: 3.15 A TT

General Specification

Ambient temperature: +10 °C to +35 °C

Spectrum: AM1.5 according IEC60904 or adjustable

Uniformity: Class A according IEC60904

Temporal stability Class A according IEC60904

Irradiance: 500–1100 W/m² at a distance of 4.6 m

Rate of repetition: 50 test cycles per hour

Total pulse time: 12 ms

Measure time: 10 ms

Communication

Fiber optic cable (PFO)

Lamp Housing

Dimension: 550 x 750 (D x L in mm)

Cable length: 8 m

Weight: approximately 30 kg

Features: centering laser; 230 V outlet

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