

PSL 8

Load and Measuring Device



PC controlled load simulation and IV curve measurement for solar modules

BERGER
Lichttechnik

PSL 8

Load and Measuring Device

The PSL 8 is the standard unit for module production and off-line measurement. It can be easily integrated into automatic and semi automatic handling systems by automation suppliers. Customized versions for Research & Development are available on request.

Product Specification

- › **Modular design with a compact and flexible setup for universal use**
- › **3 synchronously triggered precision A/D converters for I, V and Ref.**
- › **Full passive load simulation**
- › **Supporting continuous light and pulsed measurements**
- › **Can be easily integrated into a manufacturing environment**
- › **Password protected setup and calibration**
- › **Connection via a fiber optic converter to a free RS232 COM port**
- › **Software package includes classification, binning and handling interface**



Technical Data

Mechanical Data

Weight: approximately 3.5 kg

Dimensions: 80 x 260 x 330 (H x W x L in mm)

Electrical Data

Voltage: 12 V DC

(external mains adaptor 100–240 V, 50/60 Hz)

Power: 10 W

Measurement

Measurement range V: 15/30/60/90/120 V*

Measurement range I: 6/12/18 A*

Measurement range Ref.: 80 mV*

A/D Converters: 3 x 12 Bit unipolar

Max. number of measuring points: 512

Accuracy per range: < 0.1%

*measuring range can be adjusted to customer request

Communication

Fiber optic Cable (PFO)

9600 baud, 1 stop bit, no parity