

PSL REF

Measuring device for synchronous recording of measurement values of up to three additional reference cells



Recording of up to three additional reference cells for spectral verification

BERGER
Lichttechnik

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Measuring device for synchronous recording of measurement values of up to three additional reference cells

The PSL REF is used to record data for up to three reference cells. This is most often used to record irradiance in different spectral regions. The measurement is synchronized with the power measurement performed by the tester measuring load.

Product Specification

- › Three inputs for reference cells
- › Three standard filtered reference cells for VIS, NIR and IR optional
- › Optional customized filtered reference cells available
- › Works as a slave unit in conjunction with the tester measuring load
- › Includes software upgrade for full integration into the solar simulator
- › Can also be cascaded for recording more reference channels



Technical Data

Mechanical Data

Weight: approximately 3.5 kg

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

Electrical Data

Power Supply: 12 V DC

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

Power: 10 W

Measurement

Measurement range Ref 1: 30 mV *

Measurement range Ref 2: 30 mV *

Measurement range Ref 3: 30 mV *

A/D Converters: 3 x 12 Bit unipolar

Max. number of measuring points: 255

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

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