



DATA SHEET

# PV-KLA – The Photovoltaic I-V Curve Tracer



Intelligent Measurement & Testing

## The all-rounder among I-V curve tracers

Obtain precise data on your PV modules' voltage and current intensity no matter where you happen to be with the PV-KLA photovoltaic I-V curve analyser. The versatile measurement system that records the current-voltage characteristic of PV cells and modules can be used for both indoor and outdoor testing.

Thanks to its flexibility, this analyser enjoys widespread popularity in research and industry. Numerous devices are used for quality assurance by German and international PV module manufacturers and research institutions.

Direct device control via the USB port and the PVK software makes our device reliable and convenient.

### Benefits & Features

- Characteristics measurement as per IEC 60904-1
- Precise data acquisition
- Simultaneous measurement of voltage, current and irradiance
- Including precise reference cell
- Suitable for indoor and outdoor tests
- Optional with DaKKS calibration
- Developed and manufactured in Germany

### Technical Data

Basic accuracy	0.1% from fullscale
Resolution	16 Bit
Sampling	Simultaneous sampling of V, I and G
Voltage ranges	50, 100 and 200 V
Current ranges	4, 8, 16 and 32 A
Irradiance range	1500 W/m <sup>2</sup>
Temperature range	0 to 75 °C
Maximum sampling rate	100 000 samples/s
Maximum measuring rate	6 Curves per minute
Supply	5-V wall plug transformer
Port	USB 2.0
Handling	Control with PC and software PVK
Customs tariff number	90 30 33 70

## Options

- Customised ranges
- 0-V option for optimized Isc measurement
- I-V Curve measurement of PV cells
- Remote control of PVK via TCP/IP
- Flash trigger
- Self-Contained supply with battery

## Scope of Delivery

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PV-KLA

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Measuring cable

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Reference cell

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Temperature sensor

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Wall plug transformer

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Software

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Instruction manual

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Transportation case

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