



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 ² |
| 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 optimised 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

PV-KLA

Measuring cable

Reference cell

Temperature sensor

Wall plug transformer

Software

Instruction manual

Transportation case
