



PVCHECKs

MULTIFUNCTIONAL INSTRUMENT FOR FUNCTIONAL SAFETY AND PERFORMANCE CHECKS ON PV SYSTEMS



CODE **HV00PVCS**

PVCHECKs

MULTIFUNCTIONAL INSTRUMENT
FOR FUNCTIONAL SAFETY AND
PERFORMANCE CHECKS ON PV
SYSTEMS



- **Insulation** measurement up to **1000VDC**
- **Open-circuit voltage** measurement up to **1000VDC**
- **Short-circuit current** measurement up to **15A** with **1000VDC**
- **Protective conductor continuity** with **200mA**
- **PV system DC Efficiency Measurement**
- Outcome: **OK** or **NOT OK** for each measurement

**AUTO
TEST**

INSULATION
**1000
VDC**



OK
CERTIFICATE OF
CALIBRATION



TECHNICAL DATA SHEET

TECHNICAL SPECIFICATIONS

Continuity of protective conductors with 200mA	●
Uninterrupted PV string/field insulation with test voltages 250, 500, 1000V DC	●
Rapid IVCK test for Voc and Isc measurement on PV modules and strings	●
DC side efficiency of photovoltaic field	●
Use of SOLAR-02 remote unit with RF connection	●
Irradiance measurement with reference solar cell	●
Measurement of cell and ambient temperature	●
IVCK function measuring range	1000V / 15A IVCK only
Measurement category	CAT III 300V max 1000V DC between inputs
Backlit LCD display	●
Internal memory	999 tests
PC interface for downloading data with TopView software	●
Management of customisable internal PV module database	●
Auto power off	●
Online help on display	●

GENERAL SPECIFICATIONS

Dimensions (L x W x H)	235 x 165 x 75mm
Weight (batteries included)	1.2 kg
Operating temperature	from 0°C to 40°C
Operating humidity	<80% RH
Power supply	6x1.5V type AA alkaline batteries or 6x1.2V type AA rechargeable NiMH batteries

ACCESSORIES

STANDARD ACCESSORIES

KITGSC4	Set of 4 banana cables 4mm + 4 alligator clips
KITPCMC4	Set of 2 adapters with single-end MC4 compatible connectors
BORSA2051	Carry bag
C2006	Optics/USB connection cable
Quick start guide	
Complete user manual and management software available online	
Calibration report	

OPTIONAL ACCESSORIES

PT300N	PT1000 probe for measuring cell temperature
KITPCMC3	Set of 2 adapters with single-end MC3 compatible connectors
HT304k	Reference cell for measuring irradiation
M304	Mechanical inclinometer to detect the correct solar incidence angle
SP-0400	Set of straps for shoulder instrument use
SOLAR-02	Remote unit for measuring irradiation, temperature and tilt
607-IECN	Connector with magnetic termination
KITPVEXT25M	25m long extension cable for I-V, ISC and VOC measurements
HT4004	Standard clamp with full scale 10-100A/1V DC + batteries included

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