



PVCHECKS-PRO

ADVANCED INSTRUMENT FOR ELECTRICAL SAFETY TESTING
AND TROUBLESHOOTING IN PV SYSTEMS UP TO 1500V/40A



VOLTMAG



CODE **HV00PVPR**

PVCHECKs-PRO

ADVANCED INSTRUMENT FOR ELECTRICAL
SAFETY TESTING AND TROUBLESHOOTING
IN PV SYSTEMS UP TO 1500V/40A



- › A single, simple “GO” to run **Commissioning Tests**
- › Tests on monofacial and **bifacial** modules (also high efficiency) up to **1500V / 40A**
- › All electrical safety tests, continuity, polarity, Voc, Isc, insulation, **on active systems**
- › **Ground fault locator (GFL function)** to identify insulation problems between modules
- › **Autostart mode*** to test all strings of a field switchboard in sequence.

** This characteristic is only available for certain models*

GFL
FUNCTION

1500V
40A

DUAL
MODE
Test

MONOFACIAL
AND
BIFACIAL
MODULES

OK
CERTIFICATE OF
CALIBRATION



PRODUCT
DATA SHEET



TECHNICAL DATA SHEET

TECHNICAL SPECIFICATIONS

Measurement of open-circuit voltage Voc on PV modules and strings	1500V
Measurement of short-circuit current Isc on PV modules and strings	40A
Polarity check	●
Use of SOLAR03 remote unit with Bluetooth connection	●
Front irradiation measurement	● with SOLAR03 remote unit and HT305 cell (optional accessories)
Measurement of cell and ambient temperature	● with SOLAR03 remote unit and PT305 probe (optional accessories)
PV string/field insulation measurement with test voltages 250, 500, 1000, 1500VDC	●
P.I. polarisation index measurement	●
Dielectric absorption ratio D.A.R measurement	●
GFL function to locate the position of the low-insulation module within a string	●
Protective conductor continuity testing with test current 200mA	●
Measurement category	CAT III 1000V AC, CAT III 1500VDC Max 1000VAC, 1500VDC between inputs
Backlit LCD display	●
Internal memory	Max 999 tests
Integrated Wi-Fi and compatibility with HTANALYSIS app (*)	●
Optical/USB serial port for connection with PC	●
Management of customisable internal PV module database	● (Max 64 modules)
Auto power off	●
Online help on display	●

GENERAL SPECIFICATIONS

Dimensions (L x W x H)	235 x165 x 75mm
Weight (batteries included)	1.2 kg
Operating temperature	from -10°C to 50°C
Operating humidity	<80% RH
Protection rating	IP40
Power supply	6x1.5V type AA alkaline batteries or 6x1.2V type AA rechargeable NiMH batteries

(*) This characteristic is only available for certain models

ACCESSORIES

STANDARD ACCESSORIES

KIT4PRO15	Set of 4 jack cables 4mm + 4 crocodile clips Black/Red/Green/Blue
KITPCMC4150	Set of 2 adapters with MC4 compatible connectors and 4mm banana pin, 3m (red and black)
SP-5100	Set of straps for shoulder instrument use
C2006	Optics/USB connection cable
YABAT0003000	Rechargeable battery type AA NiMH, 1.2V (6 pc)
YABAT0004001	External battery charger
VA507	Rigid carrying case
Quick start guide	
Calibration report	
Complete user manual and management software available online	

OPTIONAL ACCESSORIES

PT305	Temperature probe PT1000
HT305	Photovoltaic cell to measure solar radiation (with fixing bracket)
M304	Mechanical inclinometer to detect the correct solar incidence angle
SOLAR03	Remote unit with 1 temperature input and 3 irradiation inputs (for HT305) complete with magnetic belt
KITPVPROEXT20	2 extension cables banana pin - banana jack 20m (red and black)
SP-2002	Strap with magnetic attachment for SOLAR03
KIT2TIPS15	Set of 2 Black/Red leads with MC4 termination

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