



I-V500w

MULTIFUNCTIONAL INSTRUMENT FOR PV SYSTEM
MAINTENANCE AND TROUBLESHOOTING





CODE **HV00500W**

I-V500w

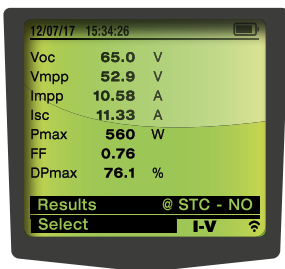
MULTIFUNCTIONAL INSTRUMENT FOR PV SYSTEM MAINTENANCE AND TROUBLESHOOTING

- > I-V Curve up to 1500V and 10A or 1000V/15A
- > Module or string power measurement
- > Open-circuit voltage (Voc) up to 1500V
- > Short-circuit current (Isc) up to 15A
- > Irradiation measurement via HT304k probe
- > Environmental and Cell Temperature via PT300N probe
- > Wireless environmental measurements with SOLAR-02 remote unit with RF connection
- > No distance limit for environmental measurements with SOLAR-02 remote unit
- > Outcome: OK or NOT OK for each measurement

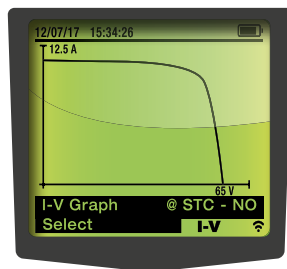

 I-V CURVE
 MAX
15A MAX
1500 V



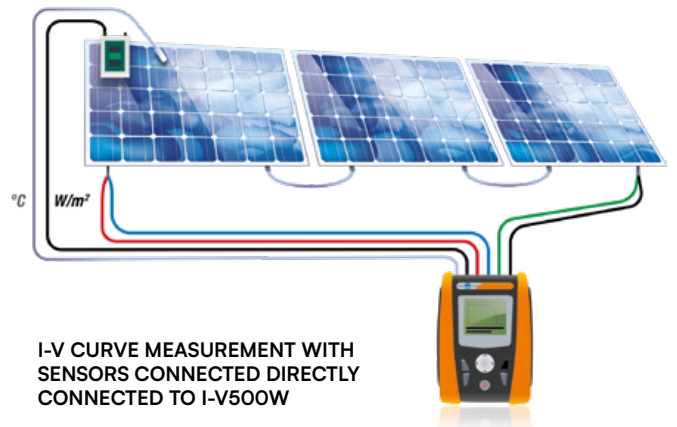
CERTIFICATE OF CALIBRATION



Details of each parameter in I-V curve outcome: OK



I-V curve outcome: OK





TECHNICAL DATA SHEET

TECHNICAL SPECIFICATIONS

I-V curve detection on PV modules and strings	1500V/10A - 1000V/15A
Rapid IVCK test for Voc and Isc measurement on PV modules and strings	VOC 1500V / ISC 15A
Internal memory	249 I-V curves
Use of SOLAR-02 remote unit with RF connection	●
Management of customisable internal PV module database	●
Measurement of cell and ambient temperature	●
Direct front irradiation measurement with reference solar cell	●
Summary table of main electric parameters	●
Optical/USB or Wi-Fi interface for data download to PC	●
Integrated Wi-Fi and compatibility with HTANALYSIS app	●
Backlit LCD display	●
Auto Power OFF	●
Measurement category	CAT II 1000V DC, CAT III 300V AC, Max 1000V AC, Max 1500V DC between inputs

GENERAL SPECIFICATIONS

Dimensions (L x W x H)	235 x 165 x 75mm
Weight (batteries included)	1.3 kg
Protection rating	IP40
Operating temperature	from 0°C to 40°C
Operating humidity	<80% RH
Power supply	6x1.5V batteries, type AA LR06 or 6x1.2V batteries, type AA NiMH

ACCESSORIES

STANDARD ACCESSORIES

KITGSC4	Set of 4 banana cables 4mm + 4 alligator clips
KITPVMC4	Set of 2 adapters with MC4 compatible connectors
HT304K	Reference cell for measuring irradiation complete with bracket and fixing screws
M304	Mechanical inclinometer to detect the correct solar incidence angle
VA500	Rigid carrying case
SP-5100	Set of straps for shoulder instrument use
C2006	Optics/USB connection cable
Calibration report	
Quick start guide	
Complete user manual and management software available online	

OPTIONAL ACCESSORIES

SOLAR-02	Remote unit
PT300N	PT1000 probe for measuring cell temperature
KITPVMC3	Set of 2 adapters with MC3 compatible connectors
KITPVEXT25M	Set of 2 banana cables 4mm, Green/Black, 25m
KITKELVIN	Set of 2 cables with 4 banana connectors and integrated Red/Black leads, 1.5m

HT ITALIA S.R.L.

Via della Boaria, 40 48018 Faenza (RA) Italy

T +39 0546 621002 | **F** +39 0546 621144

M vendite@ht-instruments.com | ht-instruments.com