

Somebody imagines the future.
HT keeps it under control.



PV TESTERS

Instruments for the performance verification, maintenance and safety testing of photovoltaic systems



We build the future since 1983

Somebody imagines the future. HT keeps it under control.

Systems for the **production of electric energy** through the conversion of **solar radiation** immediately represented a decisive step towards a **virtuous** and **eco-sustainable future**.

A future in constant evolution that needs to be looked after, controlled, managed, guaranteed in an accurate and professional way.

This is why **HT Italia** provides you with the **most suitable** and performing instruments for **managing photovoltaic systems**, from **testing** to **maintenance**, from **checking efficiency** to **quality analyses**, all **WI-FI**, immediately on your devices.

Future can be imagined, HT guarantees it.



NEW

FUNCTION **GFL**

Identification and localization of the fault

INSULATION

1500 VDC

For photovoltaic systems

Tests in

DUAL

MODE

Localization of the faulty pole

ORDER CODE **HV0PVISO**

PV-ISOTEST

MULTIFUNCTION INSTRUMENT FOR COMMISSIONING, TESTING THE ELECTRIC SAFETY AND SEARCHING FOR FAULTS

- › Insulation measurement up to 1500VDC
- › Localization of the faulty module through the new GFL function
- › Insulation measuring modes DUAL and TIMER for checking the state of deterioration of the insulation
- › Continuity of protective conductors with 200mA



SEE THE
TECHNICAL
DATA SHEET



WATCH
THE VIDEO
TUTORIAL



WIFI CONNECTION

I-V CURVE MAX

15A

MAX **1500 V**

ORDER CODE **HV00500W**

I-V500W

I-V CURVE TRACING OF MODULES AND STRINGS

- › I-V curve up to 1500V and 10A or up to 1000V and 15A
- › Power measurement of a module or a string
- › Open-circuit voltage (Voc) up to 1500V
- › Short-circuit current (Isc) up to 15A
- › Radiation measurement
- › Environmental and Cell temperature measurement
- › No distance limit for environmental measurements through remote unit SOLAR-02
- › AUTOSTART to run the tests automatically
- › WiFi connection to smartphones and tablets



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AUTO TEST

INSULATION MAX
1000 V

ORDER CODE **HV00PVCS**

PVCHECKs

MULTIFUNCTION INSTRUMENT FOR
COMMISSIONING TESTS AND
PERFORMANCE VERIFICATION

- › Insulation measurement up to 1000VDC
- › Open-circuit voltage measurement up to 1000V DC
- › Short-circuit current measurement up to 15A at 1000VDC
- › Continuity of protective conductors with 200mA
- › Polarity
- › AUTO SEQUENCE
- › Performance logging of PV strings



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DATA SHEET



WIFI
CONNECTION

I-V CURVE
MAX
15A

AUTO
TEST

MAX
1500 V

ORDER CODE **HV000IVE**

SOLAR I-Ve

I-V CURVE TRACING OF PHOTOVOLTAIC
MODULES AND STRINGS
+ EFFICIENCY OF THE PHOTOVOLTAIC
SYSTEM

- › Measurement of inverter efficiency in single-string single-phase systems
- › I-V curve up to 1500V and 10A or up to 1000V and 15A
- › Power measurement of a module or a string
- › Open-circuit voltage (Voc) up to 1500V
- › Short-circuit current (Isc) up to 15A
- › Environmental and Cell temperature
- › No distance limit for environmental measurements through remote unit SOLAR-02
- › AUTOSTART to run the test automatically
- › WiFi connection to smartphones and tablets



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TOUCH-SCREEN
SYSTEM

EFFICIENCY LOGGING

POWER QUALITY ANALYSIS

ORDER CODE HV00300N

SOLAR300N

MULTIFUNCTION INSTRUMENT FOR
EFFICIENCY OF PHOTOVOLTAIC
SYSTEMS LOGGING AND POWER
QUALITY ANALYSIS

- › Verification and logging of the efficiency of the photovoltaic system
- › Synchronized measurement of environmental parameters through remote unit without distance limits
- › Simultaneous measurement of: voltages and currents on AC and DC side, solar radiation, temperature of photovoltaic panels
- › Mains analysis and energy consumption analysis



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CAT IV
300V
AC

CAT III
1000V
DC

ORDER CODE HVMPP300

MPP300

ACCESSORY FOR MEASURING AND
RECORDING THE EFFICIENCY OF A
SINGLE-PHASE AND THREE-PHASE
MULTISTRING PHOTOVOLTAIC SYSTEM
(UP TO 3 MPPT)

- › Simultaneous analysis of 3 strings
- › Compatible with SOLAR300N and SOLAR I-Ve
- › Integrated rechargeable battery
- › Practical hard anti-shock case
- › Small size (mm 300x265x140) for extreme portability



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TECHNICAL
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WIFI
CONNECTION

I-V CURVE
15A

MAX
1000 V

ORDER CODE HV00400W

I-V400w

I-V CURVE TRACING
ON PHOTOVOLTAIC MODULES
AND STRINGS

- › I-V curve up to 1000V and 15A
- › Power measurement of a module or a string
- › Open-circuit voltage (Voc) up to 1000V
- › Short-circuit current (Isc) up to 15A
- › Solar radiation measurement
- › Environmental and Cell temperature
- › No distance limit for environmental measurements through remote unit SOLAR-02
- › AUTOSTART to run the test automatically
- › WiFi connection to smartphones and tablets



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ORDER CODE HN000600

THT600

ADVANCED TOUCH
SCREEN INFRARED
CAMERA

384x288
PIXEL

TEMPERATURE RANGE
-20°÷650°C

FIELD OF VIEW
17°x12.7°



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DATA SHEET

ORDER CODE HN000400

THT400

HIGH RESOLUTION
TOUCH SCREEN
INFRARED CAMERA

640x480
PIXEL

TEMPERATURE RANGE
-20°÷550°C

FIELD OF VIEW
31.9°x25.7°



SEE THE
TECHNICAL
DATA SHEET



ORDER CODE HN000300

THT300

TOUCH SCREEN
INFRARED CAMERA

384x288
PIXEL

TEMPERATURE RANGE
-20°÷650°C

FIELD OF VIEW
41.5°×31.1°



SEE THE
TECHNICAL
DATA SHEET



ORDER CODE HN000200

THT200

TOUCH SCREEN
INFRARED CAMERA

160x120
PIXEL

TEMPERATURE RANGE
-20°÷650°C

FIELD OF VIEW
20.7°×15.6°

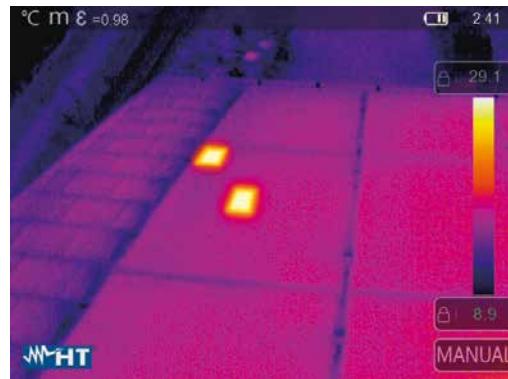


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Photovoltaic system inspection

Thanks to the thermographic inspection of photovoltaic systems, hot spots and loose connections can be easily detected.

Picture: hot spots shot with THT300.



PV panels encapsulation

During long-term outdoor exposure, once moisture penetrates a module, it can condense and increase corrosion rates, significantly reducing the performance of the module. High resolution infrared cameras easily spot encapsulant failures.

Picture: encapsulant failure shot with THT600.



ORDER CODE HA000065



HT65

DIGITAL MULTIMETER
TRMS

→ TRMS

MAX
1500 V

CAT IV
600V
AC



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ORDER CODE HP009025



HT9025

AC/DC CLAMP METER WITH
DATA LOGGER FUNCTION

→ TRMS
AC+DC



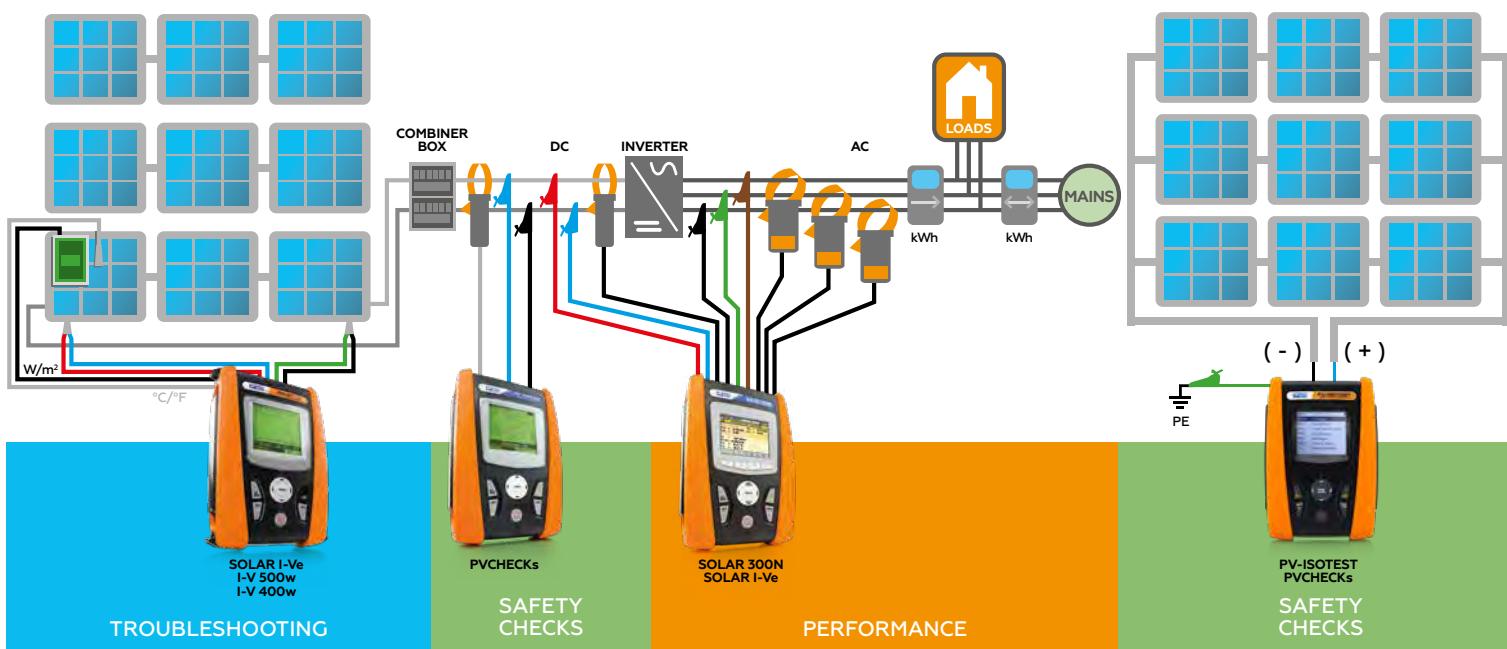
AUTO
RANGE

MAX
1500 V



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Connection diagram





ACCESSORIES

	SOLAR I-Ve	I-V400w	I-V500w	SOLAR300N	PVCHECKs	PV-ISOTEST	MPP300
TOPVIEW2006 PC Windows software + USB/optical cable	S	S	S	-	S	S	-
TOPVIEW2007 PC Windows software + USB cable	-	-	-	S	-	-	-
PT300N Temperature probe	S	O	O	S	O	-	-
SOLAR-02 Remote unit	S	O	O	S	O	-	-
KITGSC4 Set of 4 cables + 4 alligator clips	S	S	S	-	S	S	-
KITPVMC3 Set of 2 adapters with MC3 connectors	S	S	S	-	-	-	-
KITPVMC4 Set of 2 adapters with MC4 connectors	S	S	S	-	-	-	-
KITPCM3 Set of 2 adapters with MC3 connectors	-	-	-	-	S	O	-
KITPCM4 Set of 2 adapters with MC4 connectors	-	-	-	-	S	S	-
KIT800 Set of 5 cables + 5 alligator clips	-	-	-	S	-	-	-
KITMPPACC Set of 4 alligator clips	-	-	-	-	-	-	S
KITMPPACW Set of 4 cables	-	-	-	-	-	-	S
KITMPPDCC Set of 2 alligator clips	-	-	-	-	-	-	Sx3
KITMPPDCW Set of 2 cables	-	-	-	-	-	-	Sx3
KITPVEXT25M Green and black 25m extensions	O	O	O	-	O	-	-
KITKELVIN Twin-cable set for AUTO SEQUENCE tests	O	O	O	-	-	-	-
606-IECN Connector with magnetic tip	O	O	O	O	O	O	O
A0055 Power supply	-	-	-	S	-	-	S
A0057 Power supply	-	-	-	O	-	-	O
PT400 Stylus	-	-	-	S	-	-	-
HT304N Reference cell	S	S	S	S	O	-	-
M304 Mechanical inclinometer	S	S	S	-	O	-	-
ACON3F4M Adapter	-	-	-	-	-	-	Sx3
HT4004 Standard 10-100A DC clamp, 30 mm	S	-	-	S	S	-	O
HT98U Standard 1000A DC clamp, 50 mm	O	-	-	O	O	-	O
HP30D1 Standard 1000A DC clamp, 83 mm	O	-	-	O	O	-	O
HT4005K Standard 200A AC clamp, 40 mm	S	-	-	Sx3	-	-	O
HT4005N Standard 5-100A AC clamp, 20 mm	O	-	-	O	-	-	O
HT96U Standard 1-100-1000A AC clamp, 54 mm	O	-	-	O	-	-	O
HT97U Standard 10-100-1000A AC clamp, 54 mm	O	-	-	O	-	-	O
HP30C2 Standard 200-2000A AC clamp, 70 mm	O	-	-	O	-	-	O
HP30C3 Standard 3000A AC clamp, 70 mm	O	-	-	O	-	-	O
HTFLEX33E Flexible 300-3000A AC clamp, 174 mm	-	-	-	O	-	-	O
HTFLEX35E Flexible 300-3000A AC clamp, 274 mm	-	-	-	O	-	-	O
BORSA2051 Soft carrying bag	-	-	-	-	S	-	S
VA500 Rigid carrying case	S	S	S	S	O	-	-
VA507 Rigid carrying case	-	-	-	-	O	S	-
SP-0400 Free hands kit	O	O	O	O	O	O	-
SP-0500 Free hands kit	O	O	O	O	O	O	-
CF800 Compact Flash Card	-	-	-	O	-	-	-
MCR800 USB compact flash card reader	-	-	-	O	-	-	-
YABAT0003HT1 Li-Ion 3,7V rechargeable battery	-	-	-	S	-	-	S

- : Not compatible | S: Standard | O: Optional



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Ons moderne service- en kalibratielaboratorium beschikt over een RvA accreditatie naar NEN-EN-ISO/IEC 17025. Deze accreditatie geldt voor grootheden, zoals gespecificeerd in de scope bij accreditatienummer K105.



Kijk voor een overzicht van al onze diensten op euro-index.nl/diensten

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KWS® is een uniek servicesysteem voor uw meetinstrumenten met periodiek onderhoud en kalibratie tegen vaste, lage kosten. Via een gratis webportal (mijnkws.nl) heeft u altijd en overal beschikking over uw kalibratiecertificaten.

Verhuur van meetinstrumenten

- Uitgebreid assortiment
- Nauwkeurigheid aantoonbaar door actueel kalibratiecertificaat
- Deskundig advies
- Complete levering inclusief accessoires

EURO-INDEX Academy

- Trainingen (individueel en klassikaal)
- Cursussen en workshops
- Demonstratie- en instructievideo's
- Whitepapers



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Onderhoud, reparatie en kalibratie



Cursussen en workshops



Mobiele Service

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