Somebody imagines the future.
HT keeps it under control.

PV TESTERS

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

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

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

Wi Fi

WIFI CONNECTION

I-V CURVE
MAX
15A

MAX
1500 V

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

SEE THE TECHNICAL DATA SHEET

ORDER CODE HV00PVCS

PVCHECKs

AUTO
TEST

INSULATION MAX
1000 V

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

ORDER CODE HV00300N

SOLAR300N

TOUCH-SCREEN
SYSTEM

EFFICIENCY
LOGGING

**POWER
QUALITY**
ANALYSIS

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

ORDER CODE HV000IVE

SOLAR I-Ve

WiFi

WIFI
CONNECTION

I-V CURVE
MAX
15A

AUTO
TEST

MAX
1500 V

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

ORDER CODE HVMPP300

MPP300

CAT IV
300V
AC

CAT III
1000V
DC

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

I-V400w

WIFI CONNECTION

I-V CURVE 15A

MAX 1000 V

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

SEE THE TECHNICAL DATA SHEET

HT65

DIGITAL MULTIMETER TRMS

→ **TRMS**

MAX 1500 V

CAT IV 600V AC

SEE THE TECHNICAL DATA SHEET

HT9025

AC/DC CLAMP METER WITH DATA LOGGER FUNCTION

→ **TRMS AC+DC**

AUTO RANGE
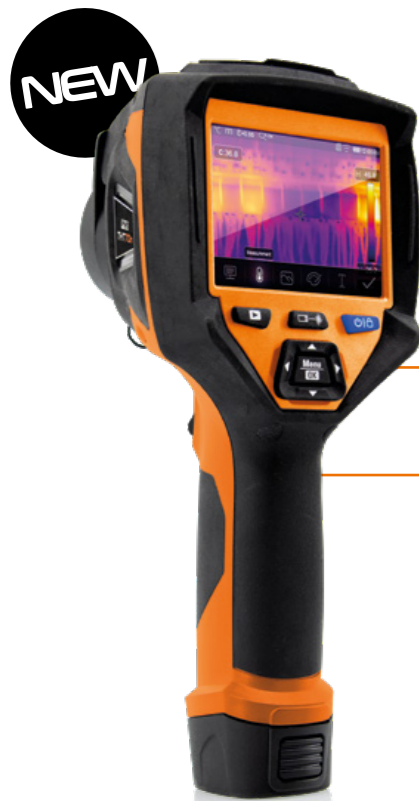
MAX 1500 V

SEE THE TECHNICAL DATA SHEET

THT70

NEW

WIFI CONNECTION

BODY TEMPERATURE SCREENING
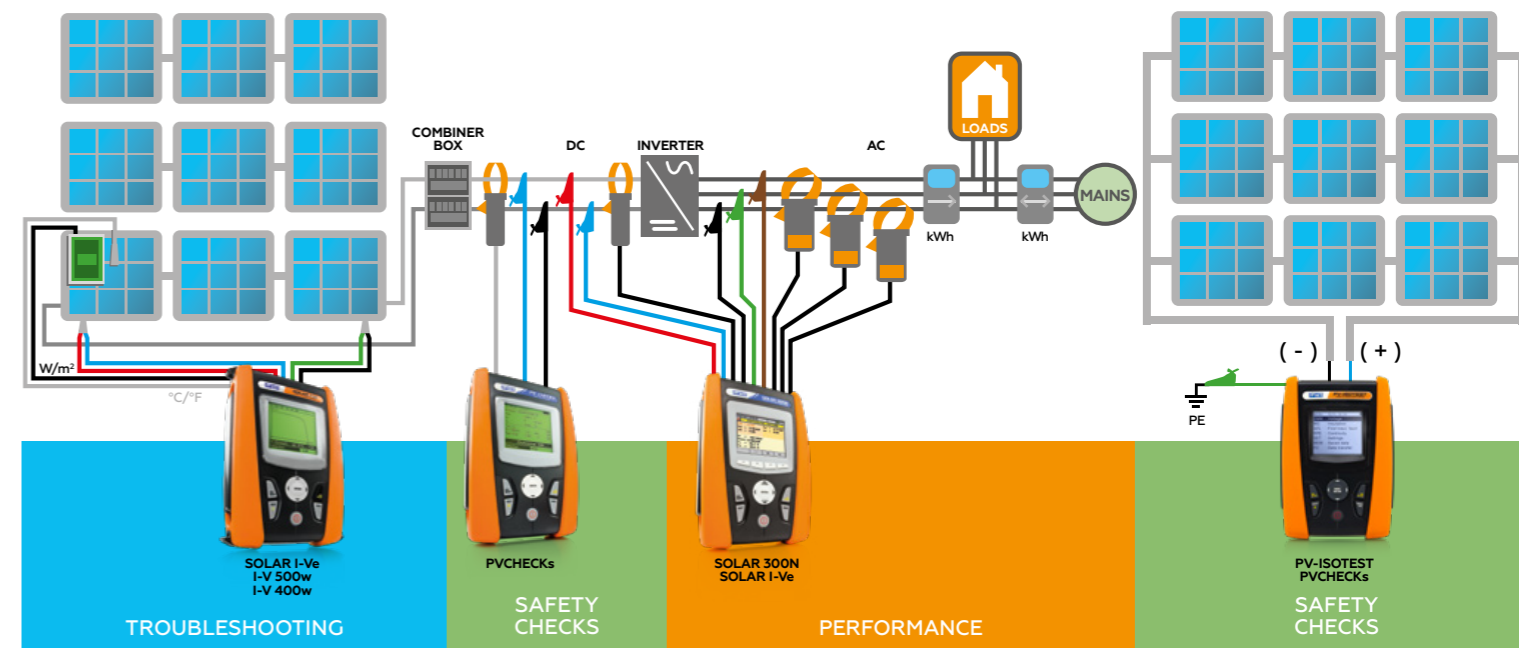
384x288 PIXEL

RECHARGEABLE BATTERY

ADVANCED INFRARED THERMAL CAMERA WITH TOUCH SCREEN

- UFPA IR sensor
- Resolution: 384 x 288 pxl / 17μm
- Thermal sensitivity: <0.05°C @ 30°C / 50mK
- Visual range: lens 22mm
- Image focusing: Manual on lens
- Frequency: 50Hz
- Colour palettes: 8 standard + 4 isotherm lines
- Camera type: 5Mpxl, FOV 59°
- Display: 3.5" TFT colour display with capacitive touch-screen, high brightness
- IR, Visual, Fusion PiP, Auto Fusion
- Digital zoom: 1x ÷ 32x
- Video output: HDMI

SEE THE TECHNICAL DATA SHEET

Connection diagram

COMBINER BOX

DC

INVERTER

AC

LOADS

MAINS

kWh   kWh

W/m²

°C/°F

PE

(-)   (+)

SOLAR I-Ve
I-V 500w
I-V 400w

PVCHECKs

SOLAR 300N
SOLAR I-Ve

PV-ISOTEST
PVCHECKs

TROUBLESHOOTING   **SAFETY CHECKS**   **PERFORMANCE**   **SAFETY CHECKS**

ACCESSORIES

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	-	-	-	-
KITPCMC3 Set of 2 adapters with MC3 connectors	-	-	-	-	S	O	-
KITPCMC4 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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KWS®

KWS® is een uniek servicesysteem voor uw meetinstrumenten met periodiek onderhoud en kalibratie tegen vaste, lage kosten. Via een gratis webportal (mijnkws.be) 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, seminars en workshops
▪ Demonstratie- en instructievideo's
▪ Application notes

Servicebalie

Onderhoud, reparatie en kalibratie

Trainingen en seminars

Mobiele Service

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