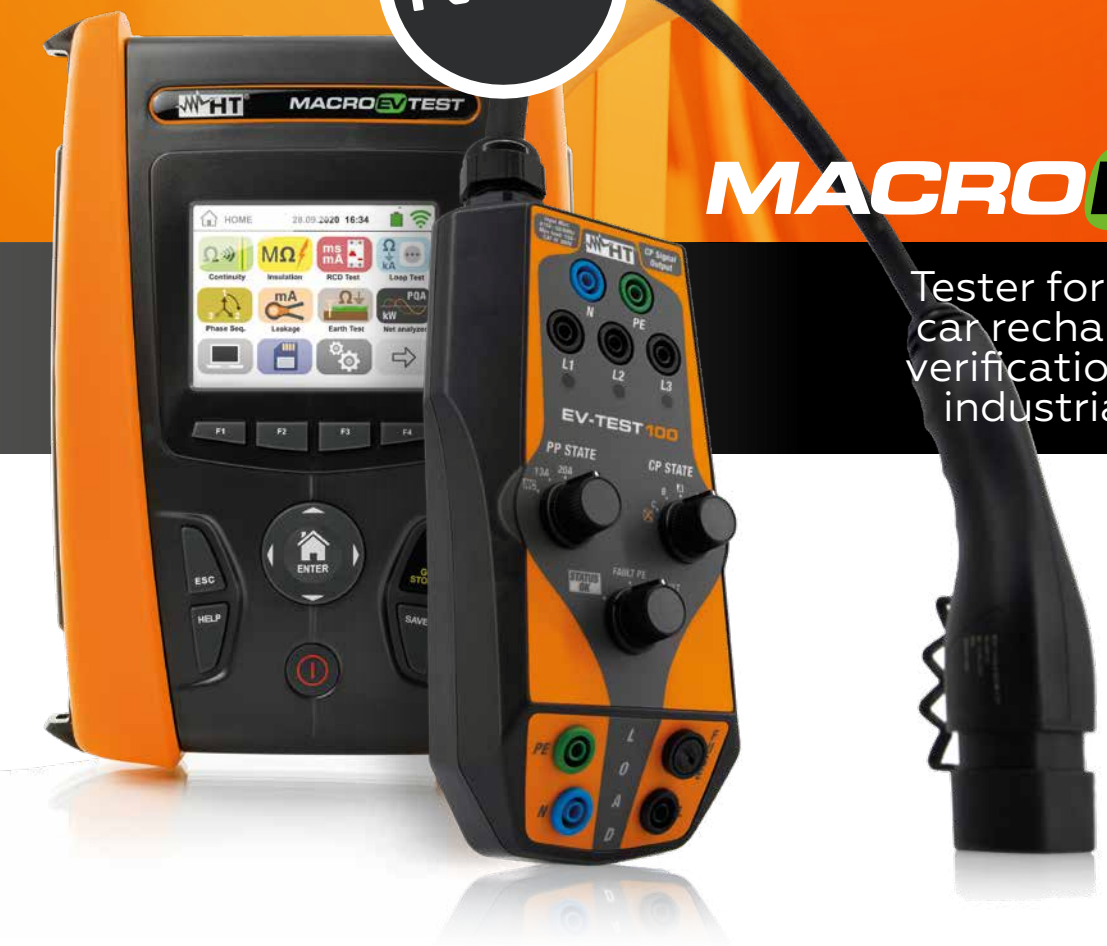
More than safe, sure.

NEW



MACRO EV TEST

Tester for checks on electric car recharging stations and verification of domestic and industrial electric systems

HT®

We build the future since 1983

More than safe, sure.

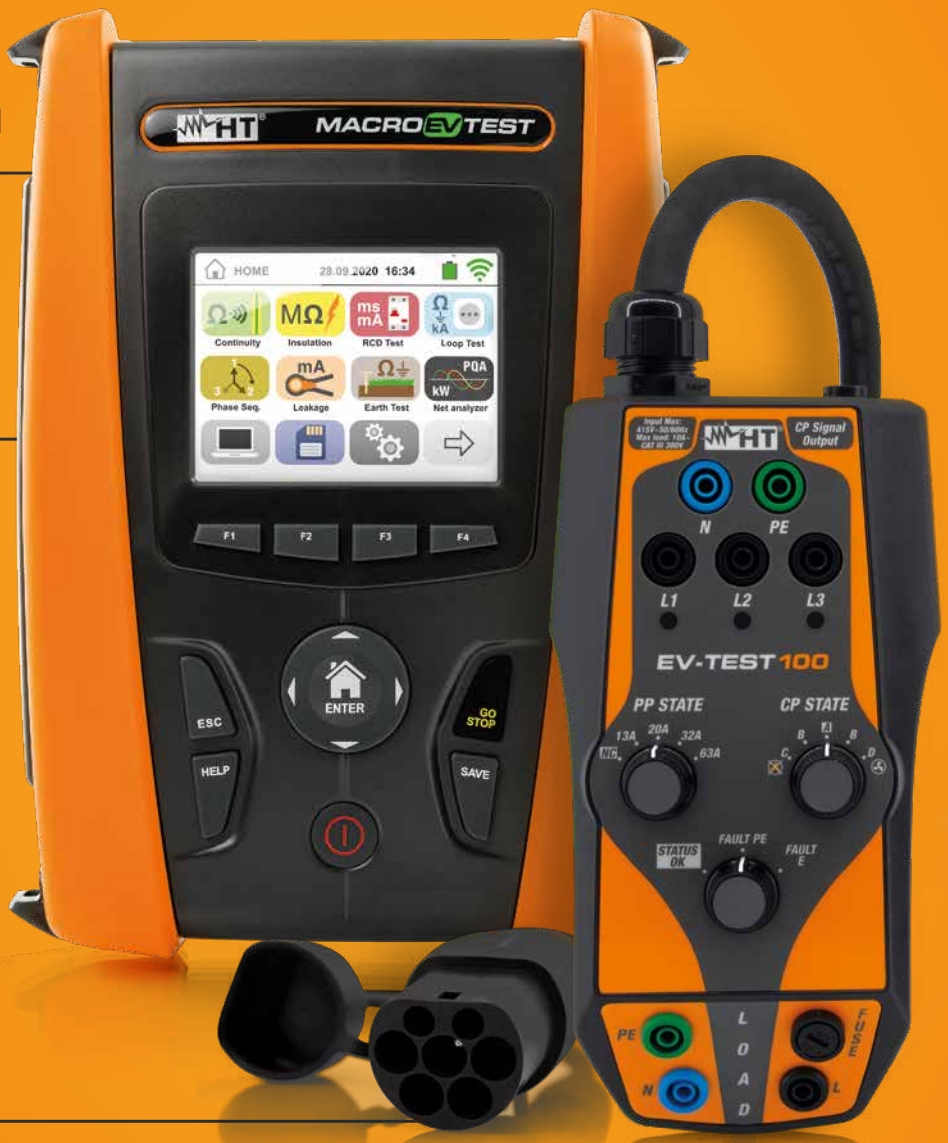
MACRO**EV**TEST

Recharging stations: a new way to use electric energy.

MACROEVTEST, **HT's new product** for **verification** and **checks** on **recharging stations** for **electric** cars (EVSE) in compliance with standards IEC/EN 61851-1 and IEC/EN60364-7-722, and for **safety tests** in **private** and **industrial** environments

WIFI
CONNECTION

TOUCH
SCREEN
SYSTEM



BUILT-IN CABLE

TYPE 2* PLUG

* other plugs available on demand

MACROEVTEST + EV-TEST100

CHECKS ON RECHARGING STATIONS FOR ELECTRIC CARS

SIMPLIFIES

Connection is simple.
MacroEVtest is connected through the provided **C100EV** cable to **EV-Test100**, which is connected, through an in-built cable provided with type2 plug, to a recharging station.

SIMULATES

EV-Test100 can **simulate the presence of a car being recharged** and, at the same time, dialogues with **MacroEVtest** thanks to the new **display with touch screen system**, peculiar to HT's latest generation devices.

GUIDES

To correctly perform all tests, all you need to do is following the **GUIDED PROCEDURE** created by HT for this innovative instrument.

CONNECTS

Before each test, **MacroEVtest** indicates how **the cables must precisely be connected** and, at the end of measurement, further to the detected values, **it provides evaluations of the tests' outcomes**, if compatible or not for the **recharging station's safety**, indicated by a green or red thumb symbol.

TESTS

- **CONTINUITY** test of the recharging station's protection conductor
- **INSULATION** test of the recharging station
- Verification of the **STATUSES** of the recharging station
- Measurement of **OVERALL EARTH RESISTANCE**
- Verification of the **RCD's** tripping (test of RCDs type A, B and type B 6ma)

VERIFICATION TESTS AND SIMULATIONS

- Vehicle **not present**
- Vehicle **present but not being charged**
- Vehicle **present and being charged**
- **Events and anomalies** which can be detected during the **recharging phase**
- **Simulation of a fault** on the protection conductor
- Indication of the **presence of voltages** on the EVSE output connector through LED
- **Verification of the mechanical lock** in the connection to the station: **it is possible to check** that the station, during the recharging phase, **blocks the cable release** (if the station is provided with this function)

STANDARDS

IEC/EN 61851-1 and IEC/EN60364-7-722

MACROEVTEST

SAFETY CHECKS ON PRIVATE AND INDUSTRIAL SYSTEMS

MEASURES

The **TFT colour display** with **touch-screen** allows for a new and more versatile use of the instrument.
MacroEVtest offers on its display all possible alternatives for the performance of a perfect measurement.

PREPARES

The new system adopted by HT allows optimally preparing the instrument, before performing a test, by suggesting the **most suitable connections to certify correct and reliable tests**.
The **AUTO** function, in the system menu, allows **performing the tests very quickly**.

VALIDATES

At the end of each test, further to the measured value, **MacroEVtest** provides an **evaluation of the result**, indicating whether it complies or not with standards.
All tests can be saved and, in order to **create a printable report**, data can be transferred via **WiFi** to a **PC**, **smart phone** or **tablet**.

TESTS

- Test of RCDs type A, type AC also up to 1000 mA and type B. By using the accessory RCDX10, provided with the instrument, it is also possible to test RCDs with external jaws up to 10 A.
- Insulation tests up to 1000V
- Continuity tests
- Tests of overall earth resistance and voltammetric resistance (further than with the provided rods, this latter test can also be performed by means of the optional clamp T2100).
- With the appropriate programming guided by the touch-screen system, this device can test the interruption power, tripping currents, I2t relevant to magneto-thermal switches (MCB) with curves B, C, D, K and fuses type gG and aM
- Loop/Line impedance measurements and calculation of the assumed short-circuit current with high resolution (0.1mOhm) in TN systems with the use of the optional accessory IMP57

STANDARDS

IEC/EN 60364

Accessories provided

- **C2033X**
  Three wire cable with Schuko plug
- **UNIVERSALKITG3**
  Set of 4 cables + 4 alligator clips + 3 test leads
- **KITTERRNE**
  Set of 4 cables + 4 earth probes + carrying bag
- **PT400**
  Touchscreen stylus (included inside meter)
- **PR400**
  Remote START/STOP switch probe
- **ZEROLOOP**
  Loop zero adapter
- **EV-TEST100**
  EVSE test adapter
- **RCDX10**
  Accessory to test earth leakage relay
- **SP-5100**
  Carrying straps
- **TOPVIEW2006**
  PC Windows software + optical/USB connection cable (order code: C2006)
- **VA507**
  Hard carrying case
- **YABAT0003000**
  Rechargeable battery NiMH, 1.2V, type AA 6 pcs
- **YABAT0004001**
  External charger
- **YAMUM0058HT0**
  Quick reference guide
- **YAMUM0057HT0**
  User's manual on CD-ROM
- ISO calibration report

Optional accessories

- **HT4005K**
  Standard clamp with 200A/1V AC full scale
- **HT96U**
  Standard clamp with 1/100/1000A full scale
- **IMP57**
  Accessory for Loop impedance measurement with high resolution
- **T2100**
  Clamp for earth probe resistance measurement
- **HT52/05**
  Temperature/Humidity probe
- **HT53/05**
  Illuminance (lux) probe
- **BORSA2051**
  Carrying bag
- **606-IECN**
  Connector with magnetic tip
- **1066-IECN**
  Connector for extension of banana cables 4mm

By using external probes *(optional)*, **MacroEVtest** can measure environmental parameters such as **air temperature/humidity, illuminance (Lux)**.

By using the optional **amperometric transducer** provided by HT, it is also possible to perform **measurements of LEAKAGE CURRENTS, COSPHI, POWER** and **HARMONICS**.

WATCH THE VIDEO TUTORIAL

SEE THE TECHNICAL DATA SHEET

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