



More than safe, sure.

NEW

MACROEVTEST

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



We build the future since 1983

More
than
sure.

MACROEVTEST

safe,

**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

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, I_{2t} 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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Les services d'EURO-INDEX

EURO-INDEX fournit des services pour tous les instruments de sa gamme de fournitures et offre des services, de la connaissance et du personnel hautement qualifié pour l'entretien (préventif), la réparation et le calibrage de vos instruments de mesure.

Centre de Service Agréé.....

EURO-INDEX est un Centre de Service Agréé pour toutes les marques représentées.

Autrement dit, vos instruments sont traités par du personnel formé et compétent, qui dispose des outils et logiciels adéquats. Seules des pièces d'origine sont utilisées et la garantie de votre instrument ainsi que la certification (ATEX, EN50379, etc.) restent valables.

Laboratoire de maintenance et de calibrage

EURO-INDEX dispose d'un laboratoire de maintenance et de calibrage particulièrement moderne, titulaire d'une accréditation conforme à la norme NEN-EN-ISO/IEC 17025. Cette accréditation est valable pour différentes grandeurs, telles que spécifiées dans le champ d'application associé au numéro d'accréditation K105.



MQS®

MQS est une formule d'entretien exclusive comportant un entretien et un calibrage périodiques de vos instruments de mesure. La prise en charge de multiples aspects vise à vous libérer de tout souci lors de l'utilisation de vos instruments de mesure. Les coûts sont modiques et prévisibles.

Accès numérique à vos certificats de calibrage avec Mon MQS

Mon MQS est un portail Web qui vous donne accès partout et à tout moment à vos certificats de calibrage et aux documents apparentés.

Location d'instruments de mesure

- Vaste assortiment
- Conseils avisés
- Les instruments sont livrés avec leurs accessoires et leurs certificats de calibrage traçables

EURO-INDEX Academy

- Formations sur les produits (individuelles et collectives)
- Séminaires
- Vidéos de démonstration et d'instruction

Visionnez la vidéo sur notre chaîne YouTube et découvrez tout ce qu'il vous faut savoir sur MQS



Guichet des services



Calibrage de l'analyse de gaz de combustion



Séminaires et ateliers



Calibrage de la thermographie

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Portée accréditée
voir www.rva.nl

