We **COMBI**ne safety & innovation.

NEW

COMBI521EV

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

RFE
REG FARRELL ENGINEERING LTD

METEL **HV0521EV**

COMBI521EV

Multifunction instrument for electrical installation safety testing, power quality analysis and EVSE safety testing

AUTOMATIC EVSE SAFETY TEST SEQUENCE

› Check of the output voltage value
› Continuity check of the protective conductor
› Insulation resistance measurement
› Automatic safety test sequence on EVSE stations with check of the status
› Global earth resistance measurement
› Measurement of RCD tripping time (type A, type B and type DC 6mA)
› OK and NOT OK results on each individual check and on the overall result of the automatic sequence

COMBI521EV with EV-TEST100

AUTOMATIC SEQUENCE OF TESTS FOR THE VERIFICATION OF EVSE STATIONS

• Check of the output voltage value
• Continuity check of the protective conductor
• Insulation resistance measurement
• Check of the status:
- Standby (status A)
- Vehicle detected (status B)
- Mechanical interlock verification (status B)
- Ready (charging) (status C) with ventilation (status D)
- Fault simulation on the protective conductor (fault PE)
- Fault on CP signal (fault E)
• Global earth resistance measurement
• Measurement of RCD tripping time (type A, type B and type DC 6ma)
• OK and NOT OK results on each individual check and on the overall result of the automatic sequence

COMBI521EV

ELECTRIC INSTALLATION SAFETY TESTING

• AUTOMATIC test (no-trip ground resistance, RCD tripping time, insulation resistance) in a sequence • Continuity of protective conductors with 200mA
• Insulation resistance up to 1000V, with dielectric absorption ratio D.A.R. and polarization index P.I.
• Polarity test
• Type A, AC, B, B+ and F type, General and Selective RCD tripping time and current
• Line/Fault impedance, Phase-Phase, Phase-Neutral, Phase-PE (also at high resolution with optional accessory IMP57)
• Coordination of MCBs and fuses
• Global earth resistance
• Phase sequence and conformity measurement
• Measurement of leakage current
• Measurement of electrical parameters in single-phase installations (V, A, W, VAR, VA, PF)
• Measurement of environmental parameters through external probes (HT52/05 and HT53/05)
• Internal memory and PC connection
• Wi-Fi connection to Android and iOS smartphones and tablets

Standard Accessories

› **C2033X**
Cable with banana green - black - blue shuko plug
› **UNIVERSALKITCOMBI**
Set of 3 cables, 3 alligators and 3 test leads
› **ZEROLOOP**
Loop measurement reset accessory
› **EV-TEST100**
EVSE Adapter for Electric Vehicle Charger Testing
› **SP-5100**
Set of straps to carry the instrument over the shoulder
› **BORSA2051**
Carrying bag
› **C2006**
PC cannection cable
› **TOPVIEW**
Windows PC software
› Short user guide
› Calibration report

Optional Accessories

› **VA507**
COMBI521's carrying rigid case
› **PR400**
Remote lead with test starting button
› **IMP57**
Accessory for loop impedance measurement with high resolution
› **HT4005K**
standard clamp for ac current
› **HT96U**
Standard clamp with measuring range 1/100/1000A AC
› **HT52/05**
Probe for air/humidity
› **HT53/05**
Light meter probe class 1
› **606-IECN**
Connector with magnetic terminal
› **1066-IECN**
Black connector for extensions (4mm banana)

By using external probes (optional), **COMBI521EV** 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**.

SEE THE TECHNICAL DATA SHEET

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