



CODE **HV5036PR**

# MACROTESTG3

PROFESSIONAL MULTIFUNCTIONAL  
INSTRUMENT FOR ELECTRIC SAFETY  
TESTING



DISPLAY  
TOUCHSCREEN



WI-FI WITH  
PC AND  
APP



HTAnalysis™

DATA  
SHARING IN



HT  
Cloud

## ELECTRICAL SAFETY TESTING CEI 64-8

- > **Differential Tests** type A, AC, B, B+, DD and F up to 1A\*:
  - General, Selective and Delayed
  - Tests on RCD with split toroid up to 10A\*\*
  - Differential trip time and current
- > **Earth Resistance** with **voltammetric method** with 2 or 3 points in TT, TN and IT systems
  - Ground resistivity
  - Overall earth resistance without differential tripping
  - Earth rod resistance via T2100 clamp\*\*\*
- > **Insulation resistance up to 1000V DC** and protective conductor **continuity with 200mA**
- > **Protective conductor continuity** with **10A** (with optional EQUITEST accessory)
- > **Voltage drop** as a percentage on **VDROP** lines
- > **Advanced Loop** for measuring line impedance, testing magnetothermal protections, fuses, sizing cables and measuring the assumed short-circuit current.
- > **Electric parameter measurement in Single-phase** installations:  
V, I, W, VAR, VA, PF, Harmonics and THD%  
**Phase sequence (SEQ)** and **leakage current testing with HT96U current clamp.**  
**Wi-Fi connectivity with HTANALYSIS™ App and PC.**
- > **TopView software** for data download and report generation

\*B up to 300mA

\*\*With optional RCDX10 accessory

\*\*\*T2100 clamp optional.



# TECHNICAL DATA SHEET

## TECHNICAL SPECIFICATIONS

|                                                                                                        |                                     |
|--------------------------------------------------------------------------------------------------------|-------------------------------------|
| TRMS                                                                                                   | ●                                   |
| Insulation with test voltages 50, 100, 250, 500, 1000V DC                                              | ●                                   |
| Continuity of protective conductors with 200mA                                                         | ●                                   |
| Continuity of protective conductors with 10A                                                           | With optional EQUITES accessory     |
| RCD trip time and current, type B, B+, F, A, AC Standard, Selective and Delayed up to 1A               | ●                                   |
| Split toroid RCD trip time and current, type B, B+, F, A, AC Standard, Selective and Delayed up to 10A | With optional RCDX10 accessory      |
| Overall earth resistance without differential tripping                                                 | ●                                   |
| Earth resistance with voltammetric method                                                              | ●                                   |
| Individual earth rod resistance with clamp                                                             | With optional T2100 clamp accessory |
| Ground resistivity with 4-wire method                                                                  | ●                                   |
| Loop/Impedance L-L, L-N, L-PE                                                                          | ●                                   |
| Loop/Impedance L-L, L-N, L-PE with high resolution                                                     | With optional IMP57 accessory       |
| Measurement of percentage voltage drop on line                                                         | ●                                   |
| AUTOMATIC test (Ra, RCD, Insulation) in sequence                                                       | ●                                   |
| Contact voltage                                                                                        | ●                                   |
| Phase sequence                                                                                         | ●                                   |
| Leakage current measurement                                                                            | With optional HT96U accessory       |
| Voltage, Current, Active, Reactive, Apparent Power measurement                                         | ● (Single-phase system)             |
| Cosphi, Power Factor measurement                                                                       | ● (Single-phase system)             |
| Voltage and current harmonics up to 25a and THD%                                                       | ●                                   |
| Measurement category                                                                                   | CAT IV 300V                         |
| Environmental parameter measurement (°C,°F, %RH, Lux)                                                  | With optional probes                |
| Test with PR400 remote lead                                                                            | ●                                   |
| Online help on display                                                                                 | ●                                   |
| Optical/USB serial port for connection with PC                                                         | ●                                   |
| Integrated Wi-Fi and compatibility with HTANALYSIS app                                                 | ●                                   |

## GENERAL SPECIFICATIONS

|                             |                                                                                 |
|-----------------------------|---------------------------------------------------------------------------------|
| Dimensions (L x W x H)      | 225 x 165 x 75mm                                                                |
| Weight (batteries included) | 1.2 kg                                                                          |
| Operating temperature       | 0°C ÷ 40°C                                                                      |
| Operating humidity          | <80% RH                                                                         |
| Protection rating           | IP40                                                                            |
| Power supply                | 6x1.5V type AA alkaline batteries or 6x1.2V type AA rechargeable NiMH batteries |

# ACCESSORIES

## STANDARD ACCESSORIES

|                                                               |                                                                     |
|---------------------------------------------------------------|---------------------------------------------------------------------|
| C2033X                                                        | Cable with banana, green - black - blue, shuko plug                 |
| UNIVERSALKITG3                                                | Set of 4 cables, 4 alligator clips and 3 black red-green-blue leads |
| KITTERNE                                                      | Set of 4 rods and 4 blue-red-green-black cable coils                |
| PT400                                                         | Touchscreen pen                                                     |
| PR400                                                         | Remote lead with START/STOP button                                  |
| ZEROLOOP                                                      | Accessory for resetting measuring cable resistance                  |
| C2006                                                         | Optics/USB connection cable                                         |
| VA507                                                         | Rigid carrying case                                                 |
| YABAT0003000                                                  | Rechargeable battery type AA NiMH, 1.2V, 6 pieces                   |
| YABAT0004001                                                  | External battery charger                                            |
| Quick start guide                                             |                                                                     |
| Complete user manual and management software available online |                                                                     |
| Calibration report                                            |                                                                     |

## OPTIONAL ACCESSORIES

|           |                                                           |
|-----------|-----------------------------------------------------------|
| IMP57     | Accessory for measuring high resolution Loop impedance    |
| T2100     | Clamp to measure ground probe resistance                  |
| HT52/05   | Probe for measuring temperature/humidity                  |
| HT53L/05  | Probe for measuring illuminance (Lux)                     |
| 607-IECN  | Connector with magnetic termination                       |
| 1066-IECN | Connector for cable extensions with banana, 4mm           |
| HT4005K   | Standard clamp with full scale 200A/1V AC                 |
| HT96U     | Standard clamp with full scale 1/100/1000A-1VAC           |
| BORSA2051 | Carry bag                                                 |
| RCDX10    | Accessory for tests on RCD with split toroid              |
| SP-0400   | Set of straps for shoulder instrument use                 |
| EQUITEST  | Instrument for measuring continuity with 10A test current |

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