



# PROFESSIONAL MULTIFUNCTIONAL INSTRUMENT FOR ELECTRIC SAFETY TESTING





CODE **HV5036PR**

# MACROTESTG3

PROFESSIONAL MULTIFUNCTIONAL  
INSTRUMENT FOR ELECTRIC SAFETY  
TESTING



DISPLAY  
TOUCHSCREEN



WI-FI WITH  
PC AND  
APP



HTAnalysis™

DATA  
SHARING IN



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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