



CODE **HV5036PR**

# MACROTESTG3

PROFESSIONAL MULTIFUNCTIONAL  
INSTRUMENT FOR ELECTRIC SAFETY  
TESTING



DISPLAY  
TOUCHSCREEN



WI-FI WITH  
PC AND  
APP



HTAnalysis™

DATA  
SHARING IN



## 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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# Diensten van EURO-INDEX

**EURO-INDEX is fabrikant, importeur en distributeur van diverse A-merken op het gebied van test- en meetinstrumenten. Daarnaast leveren wij een groot aantal diensten om het gebruik van deze instrumenten in uw bedrijfsvoering te optimaliseren. Dit omvat uiteraard onderhoud, reparatie en kalibratie van de instrumenten, maar ook kennisdeling via EURO-INDEX Academy en verhuur van instrumenten.**

## Geautoriseerd Service Centrum

EURO-INDEX b.v. is van alle vertegenwoordigde merken een Geautoriseerd Service Centrum. Dit betekent dat uw instrumenten worden behandeld door technici die zijn opgeleid door de fabrikant en beschikken over de juiste gereedschappen en software. Er worden uitsluitend originele onderdelen toegepast en de garantie van uw instrument, evenals de certificering (ATEX, EN50379, etc.) blijven intact.

## Kalibratielaboratorium

Het laboratorium in Nederland beschikt over een RvA accreditatie naar EN-ISO/IEC 17025. Deze accreditatie geldt voor grootheden, zoals gespecificeerd in de scope bij accreditatienummer K105. RvA kalibratiecertificaten zijn internationaal geaccepteerd en is gelijkwaardig aan BELAC.



## Mobiele Service

Naast de vaste kalibratielaboratoria in Zaventem en Capelle aan den IJssel beschikken wij ook over een laboratorium op wielen met de naam "Mobiele Service". Dit biedt vertrouwde service en kwaliteit, bij u voor de deur!

## KWS®

KWS® is een uniek servicesysteem voor uw meetinstrumenten met periodiek onderhoud en kalibratie tegen vaste, lage kosten. Via een gratis webportal ([mijnkws.be](http://mijnkws.be)) heeft u altijd en overal beschikking over uw kalibratiecertificaten.

## Verhuur van meetinstrumenten

- Uitgebreid assortiment
- Nauwkeurigheid aantoonbaar door actueel kalibratiecertificaat
- Deskundig advies
- Complete levering inclusief accessoires

## EURO-INDEX Academy

- Trainingen, seminars en workshops
- Demonstratie- en instructievideo's
- Application notes



Servicebalie



Onderhoud, reparatie en kalibratie



Trainingen en seminars



Mobiele Service

Wijzigingen voorbehouden EURO-INDEX® VL 23001



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