HT INSTRUMENTS

# GSC60

MULTIFUNCTIONAL INSTRUMENT FOR ELECTRICAL SAFETY TESTING AND POWER QUALITY ANALYSIS

METEL **HV000060**

# GSC60

## MULTIFUNCTIONAL INSTRUMENT FOR ELECTRICAL SAFETY TESTING AND POWER QUALITY ANALYSIS

DISPLAY TOUCHSCREEN

HTAnalysis™

HT Cloud

NETWORK **ANALYSIS**

CERTIFICATE OF CALIBRATION

### ELECTRICAL SAFETY TESTING CEI 64-8

- **Earth Resistance** with voltammetric method with 2 or 3 points in TT, TN and IT systems, **overall earth resistance** measurement via outlet and with T2100 voltammetric clamp (optional)
- **Ground resistivity** with Wenner 4-wire method.
- **Differential tests type A, AC, B, B+, F up to 1A**
  - *General, Selective and Delayed*
  - *Tests on RCD with split toroid up to 10A*
  - *Differential trip time and current*
- **Insulation Resistance** measurement with test voltage up to **1000V DC**
- **Protective conductor continuity** measurement with test current **200mA**
- **Protective conductor continuity** measurement with **current >10A** (with optional EQUITEST accessory)
- **Advanced Loop Magnetothermal protection, fuse** testing and cable sizing
- Measurement of **voltage drop** on line
- **Phase sequence** (SEQ) testing
- **Leakage current** measurement and recording over time
- TopView software for data download and report generation

### NETWORK AND ENERGY CONSUMPTION ANALYSIS

- **Measurement and recording of electrical parameters** (Voltages, Currents, Powers, Energies, cosphi, etc.) in Single-phase and Three-phase systems
- **9 types of available electric systems**
- **632 parameters recordable** for more than two months
- Real-time display of **waveforms, harmonics, vector diagrams** and phase summary function
- **Voltage anomalies** (sags, swells) with a minimum duration of 20ms

# TECHNICAL DATA SHEET

## TECHNICAL **SPECIFICATIONS**

| | |
|---|---|
| Continuity of protective circuit with 200mA | ● |
| Continuity of protective conductors with 10A | With optional EQUITES accessory |
| Insulation with voltage 50, 100, 250, 500, 1000VDC | ● |
| Differential trip time/current type AC, A/F Standard/Selective/Delayed up to 1000mA | ● |
| Differential trip time/current type B/B+ up to 300mA | ● |
| Split toroid RCD trip time and current type AC, A/F, B/B+ Standard, Selective and Delayed up to 10A | With RCDX10 accessory |
| Loop Impedance L-N, L-L, L-PE and calculation of assumed short-circuit current | ● |
| Line/Loop Impedance with high resolution | With optional IMP57 accessory |
| Percentage voltage drop on line | ● |
| Leakage currents measurement and recording | With optional HT96U accessory |
| Environmental parameter measurement and recording (Temperature, Illuminance) | With optional probes |
| Network and power consumption analysis | ● |
| 9 types of available electric systems | ● |
| 632 Parameters recordable for more than 2 months | ● |
| Voltage anomalies (sags and swells) with a minimum duration of 10ms | ● |
| Active, Reactive, Apparent Power Measurement/Recording | ● |
| Active, Reactive, Apparent Energy Measurement/Recording | ● |
| Cosphi, Power Factor Measurement/Recording | ● |
| Voltage and Current Harmonics Measurement/Recording up to 49th order and calculation of THD% | ● |
| Voltage/Current vector diagram | ● |
| Tables or histogram graphics of Harmonics and THD% | ● |
| Summary table of main electric parameters | ● |
| Online help on display | ● |
| Measurement category | CAT IV 300V, max 600V between inputs |
| Colour touchscreen display | ● |
| Integrated Wi-Fi and compatibility with HTANALYSIS app | ● |

## GENERAL **SPECIFICATIONS**

| | |
|---|---|
| Dimensions (L x W x H) | 235 x165 x 75mm |
| Weight (batteries included) | 1.2 kg |
| Operating temperature | from 0°C to 40°C |
| Operating humidity | <80% RH |
| Protection rating | IP40 |
| Power supply | 6x1.5V type AA alkaline batteries or<br>6x1.2V type AA rechargeable NiMH batteries |

# ACCESSORIES

## STANDARD **ACCESSORIES**

| | |
|---|---|
| HTFLEX33E | Flexible clamp 3000A AC, max cable diam 174mm, 4pcs |
| C2033X | Cable with banana, green - black - blue, shuko plug |
| UNIVERSALKITG3 | Set of 3 cables, 3 alligator clips and 3 leads, black red-green-blue |
| KITTERRNE | Set of 4 cables + 4 ground probes + carry bag |
| PT400 | Touchscreen pen (included with instrument) |
| A0061 | External battery charger power pack with shuko cable |
| C2006 | Optics/USB connection cable |
| PR400 | Remote lead with START/STOP button |
| RCDX10 | Accessories for tests on RCD with split toroid up to 10A |
| SP-5100 | Set of straps for shoulder instrument use |
| VA500 | Rigid carrying case |
| YABAT0003000 | Rechargeable battery type AA NiMH, 1.2V, 6 pieces |
| YAMUM0063HT0 | 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) of white sources and LEDs |
| 606-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-1V AC |
| HTFLEX35 | Flexible clamp with full scale 3000AAC, diameter 274mm |
| HT98U | Standard clamp with full scale 1000A-1V DC, diameter 50mm |
| HP30D1 | Standard clamp with full scale 1000A-1V DC, diameter 83mm |
| HP30C2 | Standard clamp with full scale 200/2000A-1V AC |
| HP30C3 | Standard clamp with full scale 3000A-1V AC |
| HT4004 | Standard clamp with full scale 10-100A/1V DC + batteries included |
| HT4003 | Standard clamp with full scale 400A/1V AC |
| HT4005N | Standard clamp with full scale 5-100A/1V AC |
| BORSA2051 | Carry bag |
| 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.

Meer info

### 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!

Meer info

### KWS®

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

Meer info

### Verhuur van meetinstrumenten

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

Meer info

### EURO-INDEX Academy

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

Meer info

Servicebalie

Onderhoud, reparatie en kalibratie

Trainingen en seminars

Mobiele Service

Wijzigingen voorbehouden EURO-INDEX® VL 23001

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