



Clear answer.  
Complying or not.



Save time!  
You will take  
half time!



Color Touch Screen  
with icon intuitive  
graphics



Wi-Fi  
and USB

**kW**

Power  
measurement



App HTAnalysis  
for iOS™  
and Android™



Share.  
Whenever,  
whatever and  
wherever\*



You can enter  
voice notes,  
text notes  
and pictures\*



100%  
"Made in Italy"  
technology  
and quality



COMBI G2 is an innovative multifunction installation tester capable of carrying out safety tests on civil and industrial electric systems in compliance with **IEC/EN61557-1**. Its resistive TFT color **touch-screen** display, its icon menu, its help-on-line and its user-friendly development make the instrument extremely intuitive even for unskilled users. Its numberless features grant the user a wide range of applications in the world of measurements.

The multifunction installation tester COMBI G2 allows saving all measures into an internal memory so transferring the saved data to a **PC by means of USB** (provided as standard) or built in **Wi-Fi interfaces** with an iOS and Android smartphones or tablets. The software supplied among standard accessories allows printing testing reports.

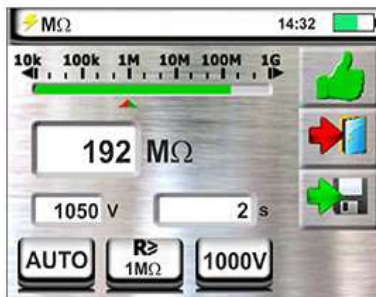
The multifunction installation tester COMBI G2 also drives the optional accessory IMP57 to carry out **high resolution (0.1mOhm) loop/line impedance** measurements with prospective short-circuit current calculation. This allows accurate measurements even close to power stations enabling the user to correctly size the protection devices in any system.

Further possible tests consist in checking breakdown current, tripping current,  $I^2t$  relative to breakers (**MCB**) with curves B, C, D, K and fuses type gG as well as aM and the percentage voltage drop on the main power lines. The test on earth leakage relay tester **RCDs up to 10A** (with optional accessory RCDX10) is also possible with the instrument. Through optional clamp model HT96U it is possible to measure the leakage current.

## Function

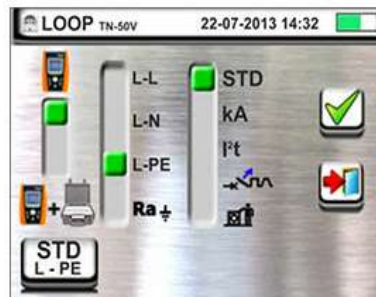
- Continuity of protection conductors with 200mA
- Insulation resistance with 50, 100, 250, 500,1000V DC
- Type A, AC, and B general, selective, and delayed RCDs up to 1000mA
- Test on earth leakage relay RCDs (with RCDX10 optional accessory)
- Line/fault impedance with prospective short circuit current calculation
- High resolution line/fault impedance (with IMP57 optional accessory)
- Curve B, C, D, and K MCBs and type gG and aM fuses
- Selection of length, type, and insulation of the cable under test
- Selection of tripping time of the protection device under test
- Non-trip earth loop impedance
- Phase sequence indication
- Voltage drop on main power lines
- Power Analysis, Harmonic analysis up to 25th
- Leakage current by means of the external transducer HT96U (optional)
- Environmental parameters (C/F, HR%, Lux) by means of optional probes
- TFT display with touch-screen
- Help on-line
- Internal memory
- USB interface to connect to the PC
- Built-in WiFi interface to connect to iOS and Android devices
- Rechargeable NiMH batteries (external battery charger)

Insulation resistance  
up to 1000Vdc

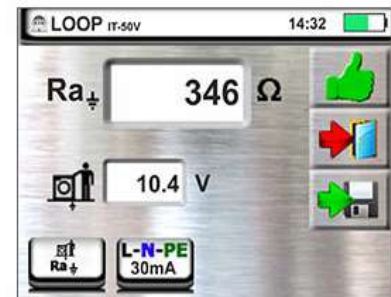


Loop Line Impedance

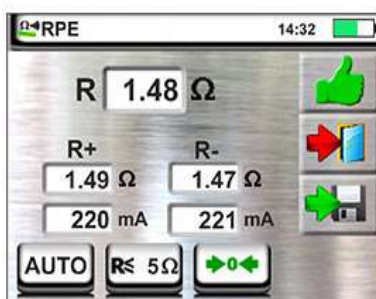
Advanced Loop set your COMBI to size Magnetic circuit breakers and cables



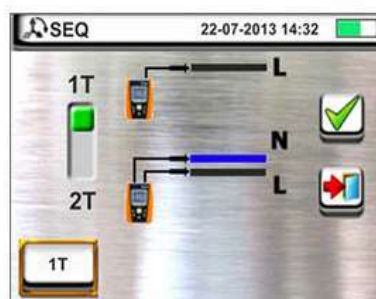
Non-Trip earth loop impedance



Continuity Test  
Current > 200mA



Phase Sequence  
Rotation



Measurement of  
environmental



# Insulation resistance

AUTO function and Setting of Timer for the test

Rapid setting of limit values and test voltages through virtual keyboard.

Test voltage 50, 100, 250, 500, 1000 VDC

# Continuity of protection conductors with 200mA

Calibration of measuring cables and Setting of Timer for the test

Rapid setting of limit values through virtual keyboard.

# Loop impedance and Voltage DROP

Line impedance measurement between L-N, L-L, L-PE and calculation of prospective short circuit current.

# Non-trip earth loop impedance measurement

It measures earth resistance and contact voltage without causing protections tripping in systems with neutral and without neutral.

# Measurement of environmental parameters through external probes

Using external transducer it is possible to measure the following environmental parameters

Air temperature in °C, °F and RH%

Air relative humidity

Illuminance with ranges 20/2k/20kLux

# Measurement of phase sequence SEQ

Check of phase sequence with 1 or 2 terminals.

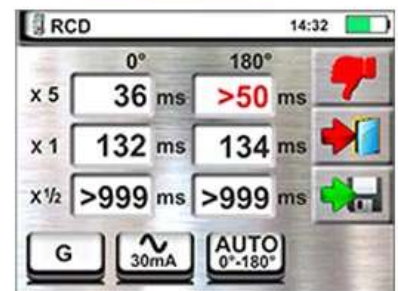
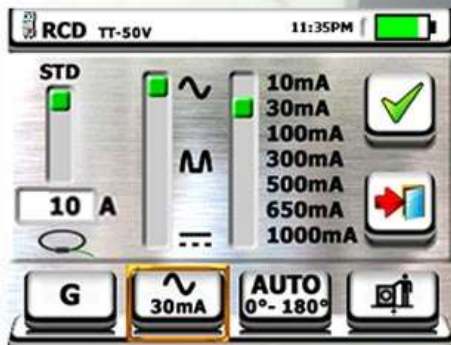
Check of phase compliance.

# Measurement of leakage currents

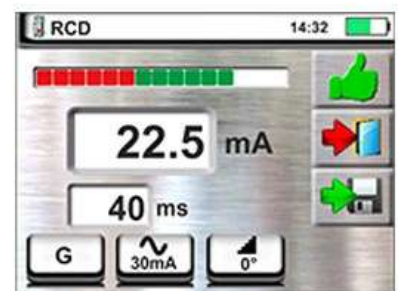
Leakage current can be measured with external clamp HT96U (optional).

# RCD Testing type A, AC e B

up to 10A  
with RCDx10



Test sequences



Ramp Test

Test on general, selective and delayed RCDs type A, AC up to **1A** and **B** up to 300mA.

Test on RCDs with external toroidal transformer and test current up to 10A\*.

Test mode x1/2, x1, x2, x5 and **AUTO** to make 6 test sequences.

**Ramp**: measurement of real tripping current.

\*with optional accessory RCDX10.

# Power Meter and Powerful Interface



Use HT96U Clamp to measure Power and Leakage Current

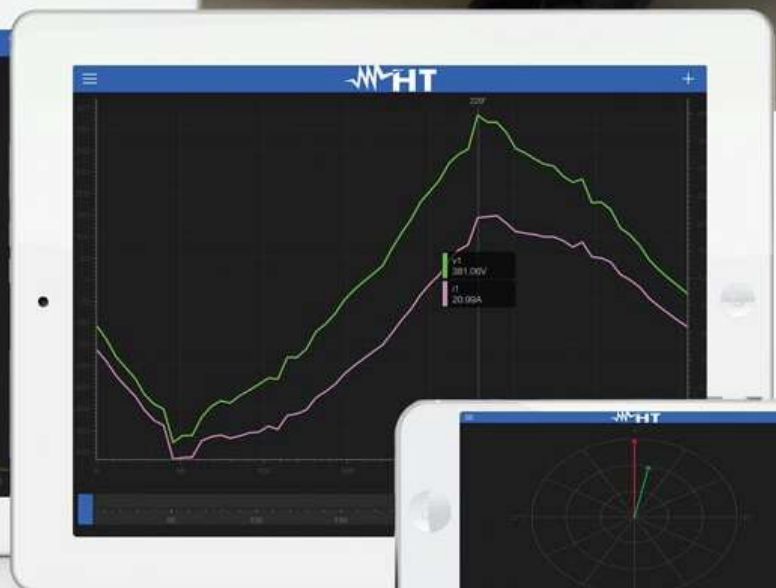
**Single** Phase and **Three** Phase balanced systems  
Voltage, Current and frequency measurement  
Active Reactive Apparent **Power measurement**  
**Cosphi**, Power Factor measurement  
**THD%** and **Harmonics analysis** up to 25th

# App HTAnalysis will change your working concept

Wi-Fi Connection  
Work Safely



Harmonics



WaveForms



V - I Vectors

# App HTAnalysis and HTCloud

Thanks to the creation of **App HTAnalysis** it is possible to interface HT last generation instruments with tablets and smartphones. HTAnalysis is a professional software allowing to display and look at measurements or recordings on your devices then sharing them on **HTCloud database**.

It enables you to display all **Wave-Forms, Vector diagrams, Harmonics and Power** instantly.

During testing you can:

Dictate **comments** orally

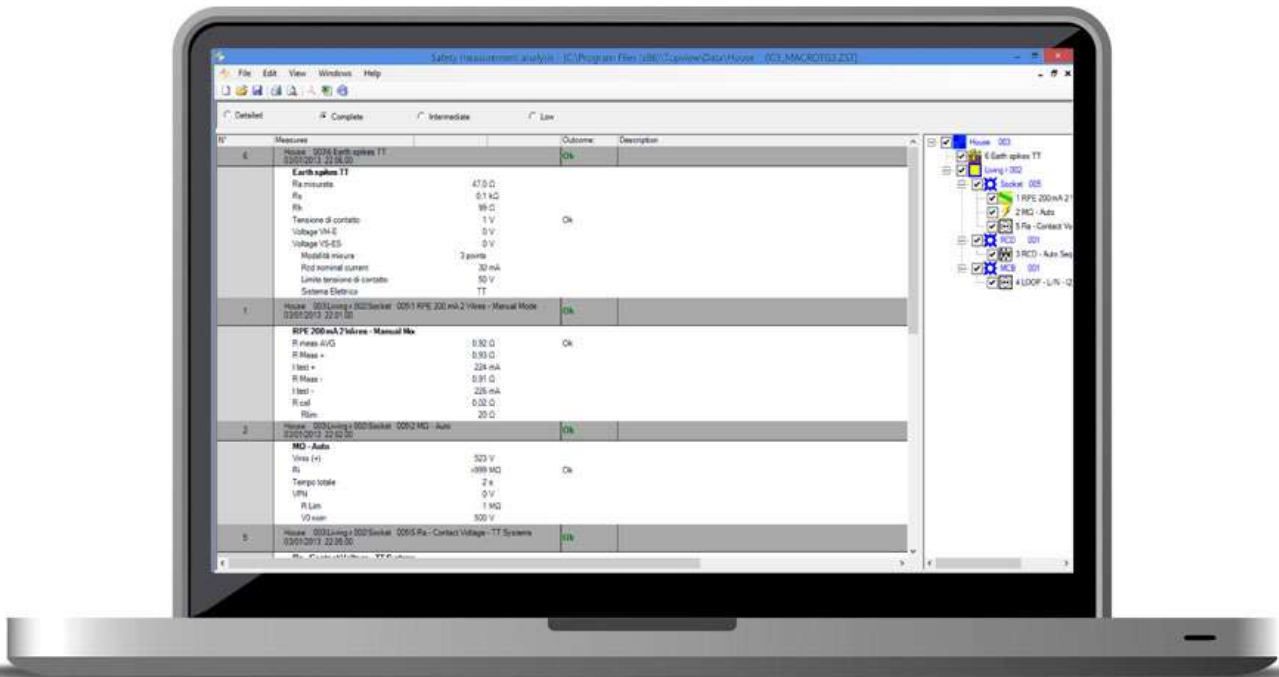
Associate a **picture** or a **video** to each measurements

Review and **customize** your measurements

**HTCloud** will enable you to share your measurements with everybody



# TopView software



Creating a professional report  
Reporting custom printing can also be exported in XLS and PDF.  
USB interface to connect to the PC

## STANDARD Accessory

- C2033X : Cable 3 wires with Shuko plug
- KITGSC5 : Set 4 cables + 4 alligator clips + 2 test leads
- PT400 : Touch pen
- **TOPVIEW2006** : Windows software + optical/USB cable C2006
- BORSA2051 : Soft carrying bag
- ISO9000 calibration certificate
- Quick reference guide
- User manual on CD-ROM

## OPTIONAL Accessory

- **PR400** : Remote lead per activation test
- YABAT0003000 : NiMH rechargeable battery, type AA, 1.2V
- YABAT0004000 : External battery charger
- **IMP57** : Accessory for high resolution Loop/Line Impedance
- **HT96U** : Rigid clamp 1-100-1000A AC, diameter 54mm
- **HT97U** : Rigid clamp 10-100-1000A AC, diameter 54mm
- **HT52/05** : Air temperature/humidity probe
- **HT53/05** : Illuminance (Lux) probe
- **1066-IECN** : Connector for banana cables, black colour
- **1066-IECR** : Connector for banana cables, red colour
- **SP-0400** : Set of straps for use of meter on neck
- **RCDX10** : Accessory for earth leakage relay tester RCDs



## 1. ELECTRICAL SPECIFICATIONS

Accuracy is indicated as  $\pm$  (% readings + no. of digits\*resolution) at  $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$ , <80%HR

### Voltage (RCD, LOOP, Phase sequence)

Range [V]	Resolution [V]	Accuracy
15 ÷ 460	1	$\pm(3.0\% \text{ rdg} + 2\text{dgt})$

### Frequency

Range [Hz]	Resolution [Hz]	Accuracy
47.0 ÷ 63.6	0.1	$\pm(0.1\% \text{ rdg} + 1\text{dgt})$

### Continuity test on protective and equalizing conductors

Range [ $\Omega$ ]	Resolution [ $\Omega$ ]	Accuracy (*)
0.01 ÷ 19.99	0.01	$\pm(5.0\% \text{ rdg} + 3\text{dgt})$
20.0 ÷ 99.9	0.1	

(\*) calibrate the cables to null their resistance

Test current: > 200mA DC for  $R \leq 5\Omega$  (calibration included) ; Resolution for DC current :1mA

Open-circuit voltage:  $4\text{V} \leq V_0 \leq 12\text{V}$

### Insulation resistance (DC voltage)

Test voltage[V]	Range [ $M\Omega$ ]	Resolution [ $M\Omega$ ]	Accuracy
50	0.01 ÷ 9.99	0.01	$\pm(2.0\% \text{ rdg} + 2\text{dgt})$
	10.0 ÷ 49.9	0.1	
	50.0 ÷ 99.9	0.1	$\pm(5.0\% \text{ rdg} + 2\text{dgt})$
100	0.01 ÷ 9.99	0.01	$\pm(2.0\% \text{ rdg} + 2\text{dgt})$
	10.0 ÷ 99.9	0.1	
	100.0 ÷ 199.9	0.1	$\pm(5.0\% \text{ rdg} + 2\text{dgt})$
250	0.01 ÷ 9.99	0.01	$\pm(2.0\% \text{ rdg} + 2\text{dgt})$
	10.0 ÷ 99.9	0.1	
	100 ÷ 499	1	$\pm(5.0\% \text{ rdg} + 2\text{dgt})$
500	0.01 ÷ 9.99	0.01	$\pm(2.0\% \text{ rdg} + 2\text{dgt})$
	10.0 ÷ 199.9	0.1	
	200 ÷ 499	1	$\pm(5.0\% \text{ rdg} + 2\text{dgt})$
	500 ÷ 999	1	
1000	0.01 ÷ 9.99	0.01	$\pm(2.0\% \text{ rdg} + 2\text{dgt})$
	10.0 ÷ 199.9	0.1	
	200 ÷ 999	1	$\pm(5.0\% \text{ rdg} + 2\text{dgt})$
	1000 ÷ 1999	1	

Open-circuit voltage: nominal test voltage  $-0\% +10\%$

Short circuit current: <6.0mA at 500V test voltage

Nominal test current: >1mA if load=  $1\text{k}\Omega \cdot V_{\text{nom}}$  ( $V_{\text{nom}}=50\text{V}, 100\text{V}, 250\text{V}, 500\text{V}, 1000\text{V}$ )

Safety protection: the display shows an error message for input voltage >10V

### Z Line (Line-Line, Line-Neutral, Line-PE)

Range [ $\Omega$ ]	Resolution [ $\Omega$ ]	Accuracy
0.00 ÷ 199.9 $m\Omega$ (*)	0.1 $m\Omega$ (*)	$\pm(5.0\% \text{ rdg} + 1\text{m}\Omega)$ (*)
200 ÷ 1999 $m\Omega$ (*)	1 $m\Omega$ (*)	
0.01 ÷ 9.99 $\Omega$	0.01 $\Omega$	$\pm(5.0\% \text{ rdg} + 3\text{dgt})$
10.0 ÷ 199.9 $\Omega$	0.1 $\Omega$	

(\*) By means of IMP57 optional accessory

Maximum test current: 5.81A (at 265V); 10.10A (at 457V)

Test voltage ranges: 100÷265V (Line-Neutral) / 100÷460V (Line-Line); 50/60Hz  $\pm 5\%$

Protection type: MCB (B, C, D, K), Fuse (gG, aM)

Insulation materials: PVC, Rubber butyl, EPR, XLPE





### First fault current (IT systems)

Range (mA)	Resolution (mA)	Accuracy
0.1 ÷ 0.9	0.1	$\pm(5.0\% \text{ rdg} + 1\text{dgt})$
1 ÷ 999	1	$\pm(5.0\% \text{ rdg} + 3\text{dgt})$

Limit contact voltage (ULIM) :

25V, 50V







### RCD test (Molded case type)

RCD type: AC () , A () , B () – General (G), Selective (S) and Delayed ()  
 Rated tripping currents (I $\Delta$ N):: 10mA, 30mA, 100mA, 300mA, 500mA, 650mA, 1000mA  
 Line-PE, Line-N voltage: 100V  $\pm$ 265V RCD type AC and A, 190V  $\pm$ 265V RCD type B  
 Frequency: 50/60Hz  $\pm$  5%

### RCD tripping current (Molded case type – RCD General)







RCD type	I $\Delta$ N	Range I $\Delta$ N [mA]	Resolution [mA]	Accuracy I $\Delta$ N
AC, A	I $\Delta$ N = 10mA	(0.3 $\div$ 1.1) I $\Delta$ N	$\leq$ 0.1 I $\Delta$ N	- 0%, +10%I $\Delta$ N
	10mA <I $\Delta$ N $\leq$ 650mA			- 0%, +5%I $\Delta$ N
B	30mA $\leq$ I $\Delta$ N $\leq$ 100mA			

### RCD Molded type tripping time range [ms] (TT/TN system)

	\	x 1/2			x 1			x 2		x 5		AUTO					
		G	S		G	S		G	S		G	S		G	S		
10mA	AC	999	999	999	999	999	999	200	250	50	150	✓	✓			310	
	A	999	999	999	999	999	999	200	250	50	150	✓	✓			310	
	B																
30mA 100mA	AC	999	999	999	999	999	999	200	250	50	150	✓	✓			310	
	A	999	999	999	999	999	999	200	250	50	150	✓	✓			310	
	B	999	999	999	999	999	999									310	
300mA	AC	999	999	999	999	999	999	200	250	50	150	✓	✓			310	
	A	999	999	999	999	999	999	200	250	50	150	✓	✓			310	
	B	999	999	999	999	999	999										
500mA 650mA	AC	999	999	999	999	999	999	200	250	50	150	✓	✓			310	
	A	999	999	999	999	999	999	200	250							310	
	B																
1000mA	AC	999	999	999	999	999	999	200	250								
	A	999	999	999	999	999	999										
	B																

 Resolution: 1ms, Accuracy:  $\pm$ (2.0%rdg + 2dgt)

### RCD Molded type tripping time range [ms] (IT system)

	\	x 1/2			x 1			x 2		x 5		AUTO					
		G	S		G	S		G	S		G	S		G	S		
10mA	AC	999	999	999	999	999	999	200	250	50	150	✓	✓			310	
	A																
	B																
30mA 100mA 300mA	AC	999	999	999	999	999	999	200	250	50	150	✓	✓			310	
	A																
	B																
500mA 650mA	AC	999	999	999	999	999	999	200	250	50	150	✓	✓			310	
	A																
	B																
1000mA	AC	999	999	999	999	999	999	200	250								
	A																
	B																

 Resolution: 1ms, Accuracy:  $\pm$ (2.0%rdg + 2dgt)

### Test on earth leakage delay tester RCDs (with RCDX10 optional accessory)

RCD type:	AC (⌚), A (⌚), B (⌚) – General (G), Selective (S) and Delayed (⌚)
Rated tripping currents (I <sub>ΔN</sub> )::	0.3A ÷ 10A
Line-PE, Line-N voltage:	100V ÷ 265V RCD type AC and A, 190V ÷ 265V RCD type B
Frequency:	50/60Hz ± 5%

### Earth leakage delay tester RCDs tripping current (RCD General)

RCD type	I <sub>ΔN</sub>	Range I <sub>ΔN</sub> [mA]	Resolution [mA]	Accuracy I <sub>ΔN</sub>
AC, A, B	300mA ≤ I <sub>ΔN</sub> ≤ 10A	(0.3 ÷ 1.1) I <sub>ΔN</sub>	≤ 0.1 I <sub>ΔN</sub>	- 0%, +5% I <sub>ΔN</sub>

### Earth leakage delay tester RCDs trip out time range [ms] (TT/TN system)

	\	x 1/2			x 1			x 2		x 5		AUTO			📈		
		G	S	⌚	G	S	⌚	G	S	⌚	G	S	⌚	G	S	⌚	
0.3A ÷ 1.0A	AC	999	999	999	999	999	999	200	250	50	150	✓	✓				310
	A	999	999	999	999	999	999	200	250	50	150	✓	✓				310
	B	999	999	999	999	999	999										310
1.1A ÷ 3.0A	AC	999	999	999	999	999	999	200	250	50	150	✓	✓				310
	A	999	999	999	999	999	999	200	250	50	150	✓	✓				310
	B	999	999	999	999	999	999										
3.1A ÷ 6.5A	AC	999	999	999	999	999	999	200	250	50	150	✓	✓				310
	A	999	999	999	999	999	999	200	250	50	150	✓	✓				310
	B	999	999	999	999	999	999										
6.6A ÷ 10.0A	AC	999	999	999	999	999	999	200	250								
	A	999	999	999	999	999	999										
	B																

Resolution: 1ms, Accuracy: ±(2.0%rdg + 2dgt)

### Earth leakage delay tester RCDs trip out time range [ms] (IT system)

	\	x 1/2			x 1			x 2		x 5		AUTO			📈		
		G	S	⌚	G	S	⌚	G	S	⌚	G	S	⌚	G	S	⌚	
0.3A ÷ 3.0A	AC	999	999	999	999	999	999	200	250	50	150	✓	✓				310
	A																
	B																
3.1A ÷ 6.5A	AC	999	999	999	999	999	999	200	250	50	150	✓	✓				310
	A																
	B																
6.6A ÷ 10.0A	AC	999	999	999	999	999	999	200	250								
	A																
	B																

Resolution: 1ms, Accuracy: ±(2.0%rdg + 2dgt)

### R<sub>A</sub> – Non-trip earth loop impedance

Test voltage: 100÷265V (Line-PE), 50/60Hz ± 5%

#### R<sub>A</sub> – Systems with Neutral wire

Range [Ω]	Resolution [Ω]	Accuracy
0.01 ÷ 9.99	0.01	-0%, +(5.0% rdg + 0.1Ω)
10.0 ÷ 199.9	0.1	-0%, +(5.0% rdg + 1Ω)
200 ÷ 1999	1	-0%, +(5.0% rdg + 3Ω)

Test current: ~10mA

#### R<sub>A</sub> – Systems without Neutral wire

Range [Ω]	Resolution [Ω]	Accuracy
1 ÷ 1999	1	-0%, +(5.0% rdg + 3dgt)

 Test current: < ½ I<sub>ΔN</sub> set

**Contact voltage (RCD and Ra test)**

Range [V]	Resolution [V]	Accuracy
0 ÷ U <sub>lim</sub>	0.1	-0%, +(5.0% rdg + 3V)

**Phase sequence rotation with 1-wire method**

Voltage range P-N, P-PE[V]	Frequency range
100 ÷ 265	50Hz/60Hz ± 5%

Measurement is only carried out by direct contact with metal live parts (**not on insulation sheath**)

**Voltage drop on main power lines ( $\Delta V\%$ )**

Range (%)	Resolution (%)	Accuracy
0 ÷ 100	0.1	±(10.0% rdg + 4dgt)

**Leakage current (by HT96U optional clamp transducer)**

Range [mA]	Resolution [mA]	Accuracy
0.5 ÷ 999.9	0.1	±(5.0% rdg + 2dgt)

**Environmental parameters (AUX function)**

Parameter	Range	Resolution	Accuracy
Temperature [°C]	-20°C ÷ 80°C	0.1 °C	±(2.0%rdg+2dgt)
Temperature [°F]	-4°F ÷ 176°F	0.1 °F	
Relative humidity [%HR]	0 ÷ 100%HR	0.1% UR	
DC output voltage	0.1mV ÷ 1.0V	0.1mV	
Illuminance [Lux]	0.001Lux ÷ 20.00 Lux (*)	0.001 ÷ 0.02 Lux	
	0.1 Lux ÷ 2000 Lux (*)	0.1 ÷ 2 Lux	
	1 Lux ÷ 20 kLux (*)	1 ÷ 20 Lux	

(\*) Accuracy of HT53 lux probe is according to Class AA

## Measurement of main parameters and harmonics (PQA)

### AC TRMS Voltage

Range [V]	Resolution [V]	Accuracy
15.0 ÷ 459.9	0.1V	±(1.0%rdg + 1dgt)

Allowed crest factor ≤ 1,5 ; Frequency: 42.5 ÷ 69.0 Hz

### Frequency

Range [Hz]	Resolution [Hz]	Accuracy
42.5 ÷ 69.0	0.01	±(2.0%rdg + 2dgt)

Allowed voltage: 15.0 ÷ 459.9V ; Allowed current: 5%FS clamp ÷ FS clamp

### AC TRMS Current

FS clamp	Range [A]	Resolution [A]	Accuracy
≤ 10A	5% FS ÷ 9.99	0.01	1Ph: ±(1.0%rdg + 3 dgt) 3Ph: ±(2.0%rdg + 5 dgt)
10A ≤ FS ≤ 200	5% FS ÷ 199.9	0.1	
200A ≤ FS ≤ 3000	5% FS ÷ 2999	1	

Range: 5 ÷ 999.9 mV; Values under 5mV are zeroed

Allowed crest factor ≤ 3; Frequency: 42.5 ÷ 69.0 Hz

### Active power (@ 230V in 1Ph systems, 400V in 3Ph systems, cosφ=1, f=50.0Hz)

FS clamp	Range [kW]	Resolution [kW]	Accuracy
≤ 10A	0.000 ÷ 9.999	0.001	1Ph: ±(2.0%rdg + 5 dgt) 3Ph: ±(2.5%rdg + 8 dgt)
10A ≤ FS ≤ 200	0.00 ÷ 999.99	0.01	
200A ≤ FS ≤ 1000	0.0 ÷ 999.9	0.1	
1000A ≤ FS ≤ 3000	0 ÷ 9999	1	

### Potenza Reattiva (@ 230V in 1Ph systems, 400V in 3Ph systems, cosφ=0, f=50.0Hz)

FS pinza	Range [kVAR]	Resolution [kVAR]	Accuracy
≤ 10A	0.000 ÷ 9.999	0.001	1Ph: ±(2.0%rdg + 7 dgt) 3Ph: ±(3.0%rdg + 8 dgt)
10A ≤ FS ≤ 200	0.00 ÷ 999.99	0.01	
200A ≤ FS ≤ 1000	0.0 ÷ 999.9	0.1	
1000A ≤ FS ≤ 3000	0 ÷ 9999	1	

### Power factor (@ 230V in 1Ph systems, 400V in 3Ph systems, f=50.0Hz)

Range	Resolution	Accuracy
0.70c ÷ 1.00 ÷ 0.70i	0.01	±(4.0%rdg + 10dgt) if I ≤ 10%FS ±(2.0%rdg + 3dgt) if I > 10%FS

### cosφ (@ 230V in 1Ph systems, 400V in 3Ph systems, f=50.0Hz)

Range	Resolution	Accuracy
0.70c ÷ 1.00 ÷ 0.70i	0.01	±(4.0%rdg + 10dgt) if I ≤ 10%FS ±(1.0%rdg + 7dgt) if I > 10%FS

### Voltage harmonics (@ 230V in 1Ph systems, 400V in 3Ph systems, f=50.0Hz)

Range [%]	Resolution [%]	Order	Accuracy
0.1 ÷ 100.0	0.1	01 ÷ 25	±(5.0%rdg + 5dgt)

Frequency of fundamental: 42.5 ÷ 69.0 Hz, DC accuracy not declared

### Current harmonics (f=50Hz)

Range [%]	Resolution [%]	Order	Accuracy
0.1 ÷ 100.0	0.1	01 ÷ 9	±(5.0%rdg + 5dgt)
		10 ÷ 17	±(10.0%rdg + 5dgt)
		18 ÷ 25	±(15.0%rdg + 10dgt)



## 2. GENERAL SPECIFICATIONS

### DISPLAY AND MEMORY:

Features:	Touch screen, color graphic LCD, 320x240mm
Memory:	999 locations, 3 marker levels
Communication:	Optical-USB and built-in WiFi

### POWER SUPPLY:

Batteries:	6 x 1.2V(rechargeable) type AA or 6 x 1.5V type AA
Battery life:	> 500 test for each funtions
Auto Power OFF:	after 5 min of idleness (disabled)

### MECHANICAL FEATURES:

Dimensions (L x W x H):	225 x 165 x 75mm
Weight (included batteries):	1.2kg

### WORKING ENVIRONMENTAL CONDITIONS:

Reference temperature:	23°C ± 5°C
Working temperature:	0° ÷ 40°C
Allowed relative humidity:	< 80% HR
Storage temperature:	-10 ÷ 60°C
Storage humidity:	< 80% HR

### TEST VERIFIES REFERENCE STANDARDS:

Continuity test with 200mA:	IEC/EN61557-4
Insulation resistance:	IEC/EN61557-2
Fault loop impedance:	IEC/EN61557-3
RCD test:	IEC/EN61557-6
Phase sequence:	IEC/EN61557-7
Multifunction:	IEC/EN61557-10
Prospective short circuit current:	EN60909-0
Earth resistance on TN systems:	EN61936-1 + EN50522

### GENERAL REFERENCE STANDARDS:

Safety of measuring instruments:	IEC/EN61010-1, IEC/EN61010-031, IEC/EN61010-2-032
Product type standard:	IEC/EN61557-1
Technical documentation :	IEC/EN61187
Insulation:	double insulation
Pollution degree:	2
Encapsulation :	IP40
Overvoltage category:	CAT III 240V~ (to ground), max 415V between inputs
Max height of use:	2000m

**This instrument complies with the requirements of the European Low Voltage Directives 2006/95/EEC (LVD) and EMC 2004/108/EEC**