

UNIKS
by **METRAVI**



RAPID PRO

Multifunction Installation Testers in your Pocket

Loop

Non-Trip Earth
Impedance

RCD

Tripping Time
A, AC, F and AUTO

Har

Voltage Harmonics
(49Th)

Volt

TRMS AC Voltage
Socket Test

MEM

Internal memory
Report

MADE IN EUROPE
www.metravi.com



Speed and Accuracy

Rapid Pro is a multifunction installation tester, socket size and performs measure related to verification of electrical installation. It can be used as a TRMS Multimeter, a SOCKET TESTER and more for electrical installation.

Safety certificate in accordance to IEC/EN61557-3 & IEC/EN61557-6. Powered by a SUPERCAP component to keep the instrument powered on even when there is no voltage in the line .

CAT III 300V

Volt e Socket Test

Measure **TRMS VOLTAGE** between L-N and **Frequency** (Hz).
SOCKET TESTER: No Ground – Voltage contact >50V
L - N reverse.

230 V

Socket OK

Volt | < | >

NO PE

Volt | < | >

RCD

Measure Tripping time of RCD with outcome OK or NO OK.
- IΔn 30mA type A, AC, F – Test x1, x5, x1/2 and AUTO
- Complies with IEC/EN61557-6.

t: 102 ms

Vc: 2 V

RCD | A | x1

	0°	180°	
x1	78	78	ms
x5	38	36	ms
x1/2	>1	>1	s

RCD | A | x1

Loop

Measure **Non-trip Earth Impedance / Loop** L-PE in TT or TN system with Prospective short-circuit current complies with IEC/EN61557-6. Accuracy: 5%+ 8digits in **Std** mode.

Z: 3.12 Ω

Vc: 10 V

Loop | TT | Std

Har

THD% and Voltage Harmonics up to 49th and shows result in graphical form or numerical with THD%.



MEM

AUTO Saving measurements (64) and REPORT via Smartphone with the **RAPID PRO REPORT APP**.

N°	FUNC	Value
1	RCD A x1	OK
2	Loop Std	3,18Ω

MEM | < | >



App **RAPID PRO REPORT**

TECHNICAL SPECIFICATIONS

RCD	IEC/EN61557-6
Voltage L-Pe 190÷265V - Frequency 50Hz ± 5%	

Type (RCD)	Resolution	Accuracy
AC , A , F	<0.1IΔn	± (0.0% + 5%IΔn)
Time	0.1 ms	± (2 ms + 2 dgt)

LOOP (Fault Loop Impedance)	IEC/EN61557-3
Voltage L-Pe 190÷265V - Frequency 50Hz ± 5% Min.Value > 0,3 Ω	
Std Current test 15mA	

RANGE (Ω)	Resolution (Ω)	Accuracy
0.01Ω - 9.99Ω	0.01	± (5.0% + 8 dgt)
10Ω - 99.9Ω	0.1	± (5.0% + 8 dgt)
100Ω - 999Ω	1	± (5.0% + 8 dgt)
LOW Test Current 6mA		± (8.0% + 12 dgt)

Voltage AC TRMS (Phase-Neutral)
Crest Factor 1,5 ; Frequency 42 ÷ 69.0 Hz ±5%

RANGE (V)	Resolution (V)	Accuracy
120V - 265V	1	± (1.0% + 3 dgt)

Frequency
Voltage L-N 190÷265V - Frequency 50Hz ±5%

RANGE (Hz)	Resolution (Hz)	Accuracy
42Hz - 69Hz	0.1	± (2.0% + 1 dgt)

Voltage Harmonics
1 ÷ 50th Harmonics <0.8V will not be shown

RANGE (V)	Resolution(V)	Accuracy
0.8V - 256V	0.1	± (3.0% + 5 dgt)

Socket Test Voltage L-N 190÷265V
Open Ground or Neutral,Phase/Neutral Phase/Ground reverse - Vc>50V

GENERAL SPECIFICATIONS

INPUT:

Overvoltage Category: CAT III 300V
Max Voltage input: 265V AC

INPUT:

Measures Guidelines: IEC/EN61557-3 IEC/EN61557-6

Safety Guidelines : IEC/EN61010-1 IEC/EN61010-2-030

EMC: IEC/EN61326-1

Display and Memory:

Display: TFT 1.77" Full Colour
Memory Slot: 62

Enviromental Specification:

Reference Temperature: 23°C ±5°C
Operat onal Temperature: 5°C to 40°C
Maximum Humidity: <80%RH
Storage Temperature: 20°C to 60°C
Storage Humidity: <80%RH

Mechanical Characteristics:

Size: 81.5 x 70 x 83 mm
Weight: 110gms

METRAVI®

Setting Trends. Showing the Way.