



## SMART ELECTRICAL TESTER PRO ETS / PRO ETS+

### INTRODUCTION

The **Metravi PRO ETS** and **PRO ETS+** are everything that the electrician needs on the job site, in a size that fit even in cargo pant pockets.

These are professional voltage testers with LED chain, certified according to EN-61234, and the **only Tester in the world that also allows you to measure DC current through the open jaw!\***

Universally applicable testers for Voltage, Current, Continuity and Rotary Field testing with various additional features.

The testers are **made in GERMANY** according to the latest safety regulations and guarantees safe and reliable working. They comply with the standards for two pole voltage testers, EN61243-3:2014.

*\*DC Current tests only available in PRO ETS+*

### FEATURES

- Designed to meet international safety standards, EN61243-3:2014
- Measurement category CATIV 600V and CATIII 1000V
- T-RMS Measurements
- Voltage test up to 1000VAC and DC with LEDs
- Current test up to 200A AC/DC (PRO ETS+) and 200A AC (PRO ETS)
- Voltage test up to 1000VAC and up to 1500V DC with LCD
- Open Jaw Size 16mm
- Impact and shock proof due the robust design with IP64 protection
- Cable break test using Non-contact Voltage detection (NCV)
- Polarity indication
- Single-pole Phase test
- Phase Rotation test
- Continuity & Diode tests
- Resistance measurement
- Frequency measurement
- Vibration motor
- Auto-power ON / OFF
- Built-in Flashlight





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### GENERAL SPECIFICATIONS

SPECIFICATION	PARTICULARS
Display	4 digit 7 segment Backlit LCD
LED Display Indication	For Voltage, Polarity indication, Single pole, Continuity and Rotary Field
Voltage Indication	Buzzer & Vibration if Voltage is higher than 50V AC or 120V DC
Voltage Range	0 - 1000V AC TRMS (15-800Hz); 0 -1500V DC ( $\pm$ )
LED Nominal Voltage	120/230/400/690/1000V
LED Tolerance	EN 61243-3
ELV Indication	>50V AC; < 120V DC
LED Response Time	<1s at 100% for each nominal value
LCD Range	0 ~ 1000V AC (15-800Hz), 0 ~ 1500V DC ( $\pm 0.1V$ )
LCD Resolution	0.1V (1- 29.9V), 1V (30 ~ 1500V)
LCD Accuracy	$\pm 3\% \pm 1.5 V$ (1 ~ 29.9V), $\pm 3\% \pm 3\text{dgt}$ (30 ~ 1500V)
LCD Over-range Indication	"OL"
Current Test	0.1 ~ 200A AC (PRO ETS), 0.1 ~ 200A AC/DC (PRO ETS+); Accuracy (+/-3%+5dgt), Resolution 0.1A, Frequency 45 ~ 65 Hz (Only for double insulated cables)
Zero Function	Keep tester away from any current carrying conductors, press both buttons until LCD shows "Zero" and wait until the buzzer sounds 3 times
Safety Current	Is <3.5mA at 1000V AC; <6mA at 1500V DC
Measurement Duty	30s ON, 240 s OFF
Internal Battery Consumption	Approx. 120mA
Single-Pole Phase Test Voltage Range	100 ~ 1000V AC (50/60 Hz)
Phase Rotation Test Continuity Test	170 ~ 1000V phase-to-phase AC (40 - 70Hz)
Resistance Measurement	0 ~ 100 k $\Omega$ ; Accuracy: $\pm 5\% \pm 10\text{dgt}$ @25°C Resolution: 1 $\Omega$ (1~2000 $\Omega$ ), 1k $\Omega$ (2~100 k $\Omega$ )
Frequency Measurement	1 ~ 800Hz $\pm 5\% \pm 5\text{dgt}$ ; Resolution: 1Hz
Continuity Test	0 ~ 500 k $\Omega$ + 50%
Diode Test	Yes
NCV (Non-contact Voltage detection) Test	100 ~ 1000V AC (50/60 Hz)
Data Hold	Yes
Low Battery Indication	Yes, on LCD display
Battery	3V (IEC LR03 1.5 V x 2)
Environment Temperature	-15° ~ 55°C Operation; -20° ~ 70°C Storage
Environment Humidity	No condensation, Max. 85%RH
Altitude	Up to 2000m
Standards	CATIV 600V, CATIII 1000V, EN/IEC 61243-3:2014
Protection	IP64 Dust & Splash Proof
Dimensions (L x W x D)	210 x 60 x 40 mm
Weight	Approx 270 g (with test leads attached)
Accessories	1 x Probe-tip protection, 2 x GS 38 cap, 2 x 4mm tip extension 2 x AAA 1.5V battery, 1 x User manual

\*Technical Specifications & Appearance are subject to change without prior notice