INSTRUCTION MANUAL
MT470
VOLTAGE TESTER

⚠ Safety Information

- Never use the tester if the meter or its test leads appear damaged.
- Never apply more than 1000V DC or 1000V AC RMS between any terminal and earth.
- ⚡ It is indicating terminals dangerous voltage present if the LED turns on.
- When using the probes, do not touch the metal probe tips.
- Disconnect the live test lead before disconnecting the common test lead.
- Before each use, verify the tester's operation by measuring a known voltage.

Automatic Operation

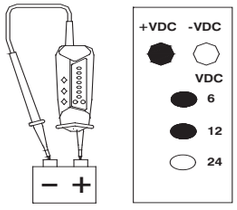
The tester automatically turns on when you place the probes across a complete circuit. The tester selects continuity, DC or AC voltage mode based on the resistance or voltage between the probes. The tester automatically turns off when you remove the probes from the complete circuit.

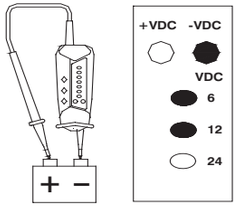
Measuring Voltage

Connect test leads across the source or load under measurement, the LED turned on at between 70% and 100% of their rated voltages.

DC Voltage

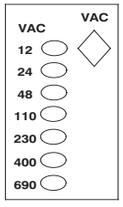
220V DC maximum





AC voltage

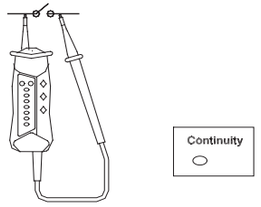
690V rms. Maximum 45 Hz to 66 Hz



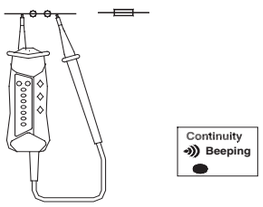
Testing for Continuity

Turn off circuit power before testing. Beeper indicates shorts lasting 1ms or longer

OPEN



short or 0-85KΩ



Specifications

Function	Range	Accuracy
AC Voltage	12V, 24V, 48V, 110V, 230V, 400V, 690V	-30% to 0% of reading
DC Voltage	6V, 12V, 24V, 36V, 48V, 110V, 220V	-30% to 0% of reading
Continuity test	Audible threshold 0-85kΩ, Continuity beeper 2KHz	
Max Voltage Between any Terminal and Earth Ground:	1000V DC; 1000V AC rms, Overvoltage Category III	
Input Impedance	1MΩ	
Altitude	Operating: 3000m; Storage: 10,000m	
Relative Humidity	90% (0℃-30℃); 75% (30℃-40℃); 45% (40℃-50℃)	
Battery Type	2 x AA	
Safety	Complies with EN61010-1:1993 for use in over voltage CAT III environments	
EMC Regulations	EN50081-1, EN50082-1	

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