



# Electrical Tester

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## Instruction Manual



### Safety Information

- Never use the tester if it or its test leads appear damaged.
- Never apply more than 1000V DC or 1000V AC rms. between any terminal and earth ground.
- It indicates 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 or 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

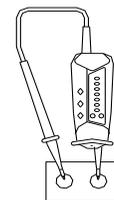
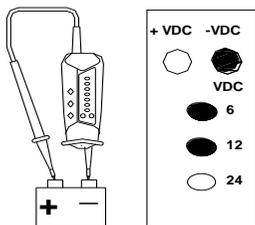
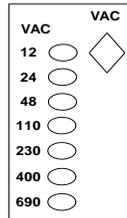
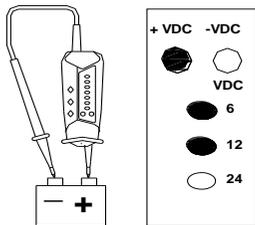
Connect test leads across the source or load under measurement, the LED turned on at between 70% and 100% of their rated voltages.

#### DC Voltage

220V DC maximum

#### AC voltage

690V rms. Maximum 45 Hz to 66 Hz

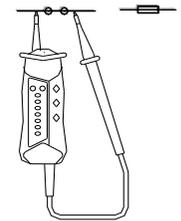
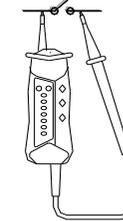


### Testing for Continuity

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

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short or 0-85kΩ



### Specifications

Function	Range	Accuracy
AC voltage (V)	12,24,48,110,230,400,690	-30% to 0% of reading
DC voltage (V)	6,12,24,36,48,110,220	-30% to 0% of reading

**Continuity test:** Audible threshold 0-85kΩ, Continuity beeper 2KHz

**Maximum 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°C-30°C); 75%(30°C-40°C); 45%(40°C-50°C)

**Battery Type and Life:** AA (2); 350 hours with NEDA 15F or IEC R6

**Safety:** Complies with EN61010-1:1993 for use in over voltage CAT III environments

**EMC Regulations:** EN50081-1, EN50082-1

### Battery Test and Replacement

Replace the batteries when touching the leads together no longer turns on the continuity LED.

