

BINAY LED-BASED HEAVY DUTY LINE TESTER

The BINAY LED-based Heavy Duty Electric Line Tester is a sturdy, reliable, and convenient product which has been designed for the purpose of line voltage testing in industrial environments

Electric Maintenance personnel in industry normally test 415VAC phase-to-phase voltage with a makeshift arrangement in which two 220VAC GLS bulbs are connected in series. This arrangement generally incurs heavy consumption of GLS bulbs due to breakage and theft.

The Binay LED Heavy Duty Line Tester has been developed for line testing in harsh industrial conditions, and offers the following features:

- **Compact and sturdy construction**, suitably ruggedised for industrial use
- Maintenance-free reliable indication by means of long-life solid-state light emitting diodes (LEDs), making it completely shock-proof and vibration-resistant.
- Apart from indicating the condition of the line, the ability to provide a approximate idea of the magnitude of voltage on the tested line, by means of a flashing indication as follows:

AC

45V – 60VAC (approx.) : Very slow flash rate
 220VAC (approx.) : Fast flash rate
 Above 400VAC : Practically steady

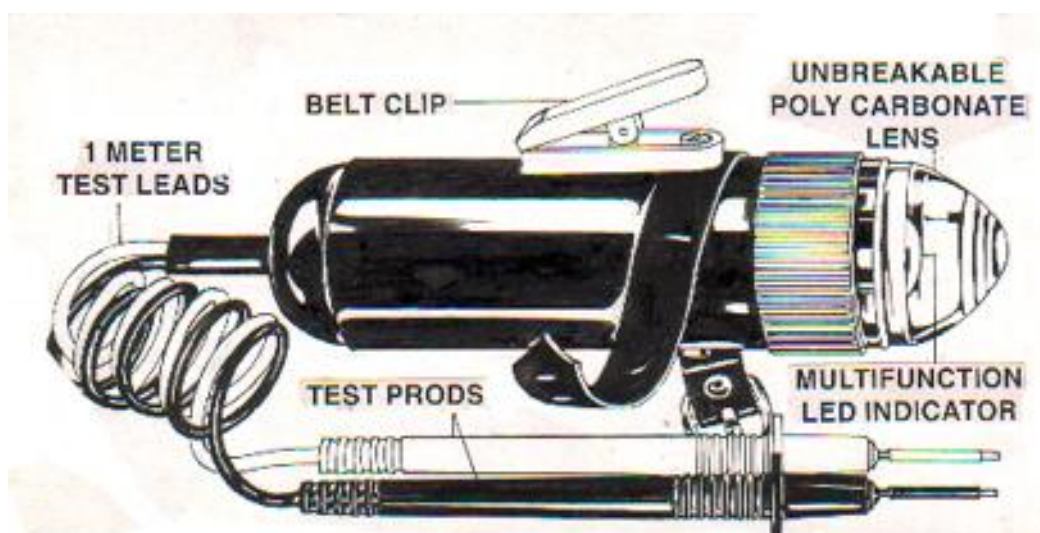
DC

45V – 60VDC (approx.) : Very slow flash rate
 110VDC: (approx.) :Fast flash rate
 150V – 220VDC: (approx.): Fast flicker/Steady

Note: At 400V, the tester should not be allowed to light up for more than one minute

- The capability of differentiating between AC and DC; on AC, indication occurs with either polarity of connection, and on DC, indication will be polarity-sensitive.

Construction: The tester body is made of unbreakable insulating thermosetting material (bakelite). The electrical components and circuitry are further insulated in a Module made of DMC material, (which has excellent insulation properties), fitted inside the bakelite body. Two meter-type test prods, each 9cm long, are provided for connecting to the test points. A clip on the Tester body allows the user to attach it to his waist belt (or the unit can be strapped to the wrist with the provided Velcro strap), so that both hands are free for using the test prods. The prods can be neatly tied to the tester body when not in use by means of a provided leather belt or Velcro strap.



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