

HIGH VOLTAGE DC PIN HOLE TESTER

AS PER IS 13778 (Part 5):1993 / IEC Pub 851-5 (1985)



The High Voltage DC Pin Hole Tester is used to carry out continuity of covering on enamelled round wires. The tester is constructed as per IS 13778 (part 5) : 1993 and IEC Pub 851-5 (1985).

The test determines the integrity of the insulation of the wire by the application of a DC voltage coupled to a detection circuit which indicates the number of faults.

Specification:

Open circuit test voltage	- 300V to 3000V
Steady state short circuit current	- $25 \pm 5 \mu\text{A}$
Speed of response	- $5 \pm 1 \text{ ms}$
Conductor Diameter	- 0.05mm to 1.6mm
Fault count for Bare wire	- $500 \pm 25 \text{ counts/min}$
Specimen contact length	- 25mm to 30mm
Wire speed	- $18 \pm 1 \text{ m/min}$
Specimen Length	- $30\text{m} \pm 0.1\%$
Threshold Fault current	- 5, 6, 7, 8, 10, 12, 14 & 16 μA



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