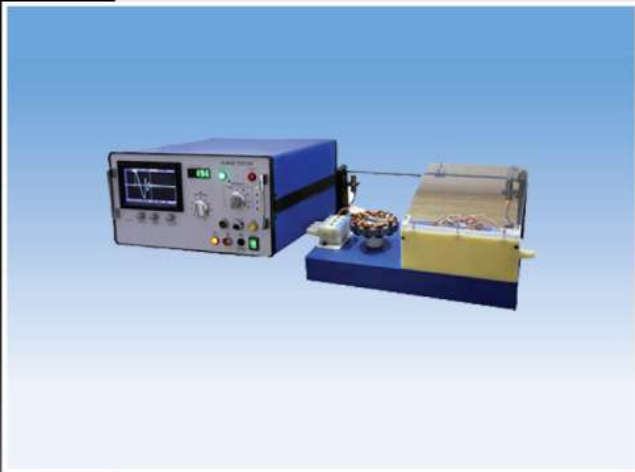


3KV Automatic Surge Tester

Model: LCD-3AND, LCD-3AMS, LCD-3ANP

The Automatic Surge Tester is designed to automatically check the quality of 1φ & 3φ windings in fast paced production motor shops. It is highly sensitive and can detect a single turn short in the winding.



Features

- User Friendly Front Panel Controls
- Lightweight, Compact, Rugged & Solid State Design
- Highly Sensitive Fault Detection Capability In The Winding
- Test Leads Insulated To 45KV Rating
- Leads Energized Warning Indicator
- LCD Colour Display To Analyze The Faults Easily
- 1phase/3phase Test Select Switch
- Dual Station Test Jig To Save Loading And Unloading Time



The latest surge tester is in accordance with IEEE Standards and CE Compliant.

Applications

This tester is widely used for testing Newly and rewound motors. It helps in finding and predicting the faults in motors before it actually happens. This tester is extremely portable that can be easily used in the motor shop and in field to test the following:

- 1φ & 3φ Stators
- Stators Of Ceiling Fan, Table Fan And Exhaust Fans
- Stators Of BLDC Motor
- Stators Of Cooler And Pumps
- Field Coils Of Mixer Motors
- Stators Of AC And Fridge
- Automotive Starters & Alternators

Accessories

- Dual Station Test Jig Station



Software Indicator & Controls

- Adjustable Volts/Div And TimeBase
- Colour Coded Waveform Display
- Surge Test Peak Voltage Indicator
- Test Result Lamp Indicator
- Auto/Manual Mode Selector Switch

Surge Test Voltage to be applied = $\sqrt{2} \times (2 \times E + 1000)$
where E is the operating voltage of the rotating machine

Model	LCD-3AND	LCD-3AMS	LCD-3ANP
Application	1φ windings	3φ windings	Both 1φ & 3φ windings
Max Surge Voltage	0 - 3,000 Volts (Adjustable)		
Max Pulse Energy	0.36 Joules		
Max Pulse Current	180 Amps		
Pulse Repetition Rate	50 Hz (50 Pulses per second)		
Pulse Rise Time	0.1-0.2 μS (In accordance with IEEE 522 standard)		
Vertical Sensitivity	750V, 1500V		
Sweep	Variable		
Operating Voltage & Frequency	220 V(50Hz, 60 Hz), 110 V(60Hz<)		
Power Consumption	150 Watts		
Weight	27 kgs		
Physical Dimensions	460 (W) X 300 (H) X 480 (D) mm		

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