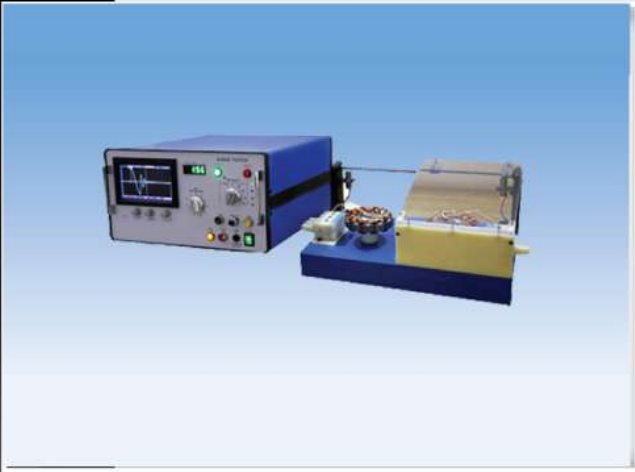


6KV LCD Surge Tester

Model: LCD-6K

The LCD based Surge Tester is highly reliable, accurate and cost-effective solution to test the quality of 1-phase and 3-phase windings. The Tester is also available with PC interface USB port to connect to a computer for Software Report generation.



Benefits

- 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

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 Windings
- AC Stators
- BLDC Stators



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



Software Indicator & Controls

- Volts/Div -- Time Base, -- Peak Voltage
- Impulse Rise Time - Pass/Fail Indicator
- Graphical & Numerical %Error Display
- Save, Recall & Print Reports

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

Features

- Dual Channel To Compare Between Two Windings
- Colour Coded Waveforms For Better Analysis
- Light Weight & Portable
- 3-Phase Test Select Switch For Easier And Faster Testing
- Optional PC Compatible Feature

PC Compatible Features

The Tester can be connected to computer [Windows OS (7/10)] with the help of USB port. The following are the features of the Software:

- LABVIEW based software application
- Job work Management to store Models
- Infinite Model Storage capability
- Colour Coded Surge Test waveforms
- Store/Print/Recall Waveforms & Reports
- Peak & Target Surge Voltage Indication
- Software Reports in MS Word
- Graphical & Numerical %EAR display

Model	LCD - 6K
Max Surge Voltage	0 - 6,000 Volts (Adjustable)
Pulse Current	400 Amps (Max)
Pulse Energy	1.8 Joules (Max)
Impulse Rise Time	0.1-0.2 μ s (In accordance with IEEE 522 standard)
Impulse Repetition Rate	50 Hz (50 Pulses per second)
LCD - Colour Display	180 x 80 mm
LCD Vertical Sensitivity	750V, 1500V
Sweep	Variable
Operating Voltage	230V (50Hz/60Hz), 110V (60Hz)
Power Consumption	150 Watts
Weight	25kgs
Physical Dimensions (W X H X D)	380 X 210 X 485 (mm)

Additional Features

- Open Input Source Ground Indicator
- PC Compatible Feature To Store, Recall And Print Waveforms And Generate The Test Reports

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