

25KV, 30KV & 40KV Digital Surge Tester

Model D-25K, D-30K & D-40K

The latest Surge Tester has an embedded Industrial PC with 8 inch touch screen display and also has automatic pass/fail and report generation feature.



This Surge Tester can be directly connected to a printer via USB port for report printouts

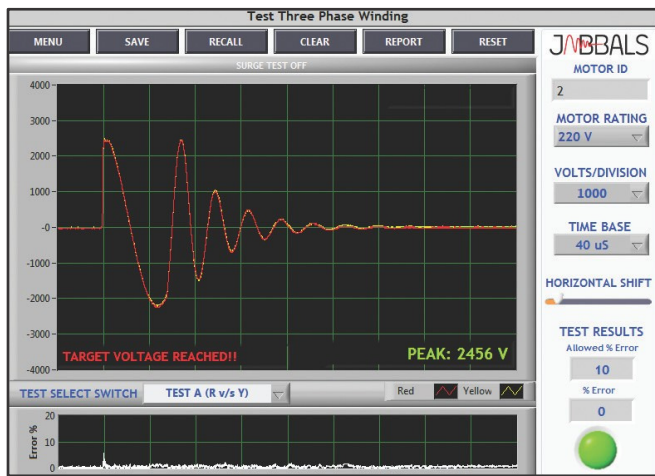
Features

- Job work management area for motor data reference
- Dual feature to either store and compare against master waveform or compare between two windings simultaneously
- Colour coded waveforms for better analysis
- Store, print and recall surge test waveforms & reports
- Graphical and numerical representation of %error between the waveforms
- Automatic report generation in MS word
- Target voltage indication based on motor ratings

Specifications of PC

- 8 inch touch screen display.
- Industrial grade CPU (Intel Dual Core)
- 2GB RAM / 500GB hard disk
- Windows 7 / MS Office / Anti Virus
- Dust proof / Water resistant / 0-60°C
- 2 USB ports
- Wireless keyboard & mouse

Software Indicator and Controls



- Adjustable Volts/div and Timebase
- Colour coded waveform display
- Surge test peak voltage indicator
- Graphical and numerical %error display
- Target voltage indicator based on motor rating
- Test result lamp indicator
- Save, recall and print waveforms & reports

Benefits

- Zero start lock for operator safety
- Footswitch for hands free operation
- Highly Sensitive fault detection capability
- Test leads insulated to 45KV rating
- 8 inch touch screen colour display
- Leads energized warning indicator
- 1φ & 3φ Test Select Switch
- Printer can be connected to tester via USB for direct printouts

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
- LT/HT coils
- AC, DC motors
- Stators
- Transformer coils
- Solenoids & Chokes

Test Specifications	D-25K	D-30K	D-40K
Test Voltage	25,000 Volts	30,000 Volts	40,000 Volts
Pulse Current	1600 Amps (Max)	2000 Amps (Max)	2500 Amps (Max)
Pulse Energy	40 J	56 J	100 J
Capacitance	0.125 μF		
Impulse Rise Time	0.1 μS		
Impulse Repetition Rate	1.0 Hz (1 Pulse per second)		
Min. Test Object Inductance	24 μH		
Display	8 inch Touch screen colour display		
Vertical Sensitivity	1750V, 3500V, 7000V, 14000V		
Sweep	Variable (10 μS – 10 mS)		
Operating Voltage & Frequency	230 V (50/60 Hz) or 110 V (60 Hz)		
Power consumption	1000 Watts (Max)		
Dimensions	570 (w) x 1050 (H) x 660 (D) mm Approx		
Weight	130 Kgs		

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