

# 10KV, 12KV & 15KV Digital Surge Tester with DC Hipot & Resistance Test

## Model D-10KHR, D-12KHR & D-15KHR

*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.*



### 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

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

### Specifications of PC

- 8 inch touch screen display.
- Industrial grade CPU (Intel Dual Core)
- 4GB 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-10KHR	D-12KHR	D-15KHR
Test Voltage	10,000 Volts	12,000 Volts	15,000 Volts
Pulse Current	660 Amps (Max)	800 Amps (Max)	1000 Amps (Max)
Pulse Energy	5.0 J	7.2 J	11.3 J
Capacitance	0.05 µF / channel		
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	500V, 1000V, 2000V, 5000V		
Sweep	Variable (10 µS – 10 mS)		
DC HI-POST TEST			
Test Voltage	10,000 Volts	12,000 Volts	15,000 Volts
Leakage Current	2000 Micro Amps		
RESISTANCE TEST (4 wire kelvin measurement)			
Range	0.001 Ω - 60.000 Ω		
Operating Voltage & Frequency	230 V (50/60 Hz) or 110 V (60 Hz)		
Power consumption	400 Watts (Max)		
Dimensions	435 (w) x 250 (H) x 540 (D) mm Approx		
Weight	30 Kgs		

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