



Features:

- Meets NEMA, IEC, JIS Specifications
- Large Test Compartment
- Safety Interlock
- Auto – Manual Mode
- Up to 20 KV test Voltage
- Variable Rate of Voltage Rise (20, 50, 100, 250, 375, 500) volts/sec
- Test Magnet Wire Sizes: 44 AWG to 12 AWG (Twisted Pair)
Optional: Large Round Wires and Rectangular Wire (Using Shot Box and Steel Balls)
- 120 VAC / 5 Amps at 60 Hz
240 VAC / 3 Amps at 50 Hz

The Nova 1401-LCT is an automatic dielectric breakdown tester. The tester performs the dielectric breakdown test on film insulated magnet wire according to NEMA, IEC, and JIS specifications. The tester has a test voltage range up to 20,000 volts at 50/60 Hz. The rate of voltage rise are (20, 50, 100, 250, 375, 500) volts per second.

In the Auto mode the test automatically stops and the dielectric breakdown voltage is captured and displayed. In the manual mode, the test voltage can be selected through a potentiometer for constant voltage testing of the specimen until failure. A timer indicates the test time of the constant voltage test.

The tester has a large clear polycarbonate test compartment with two safety switches. A mechanical contact specimen holder plugs into the high voltage terminals in the test compartment for testing twisted pair specimen. The dielectric breakdown test voltage is displayed until it is reset by the operator. Optional fixtures allow the Nova 1401 to test tape, films, or connect to other test fixtures such as ovens or humidity chambers.

Dimensions:

21" W x 16" D x 22" H
(53 cm W x 40 cm D x 56 cm H)

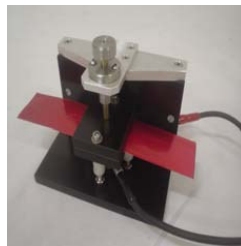
Options:

- 0-30,000 VAC Test Voltage
- Rectangular Wire Test fixture (shot box)
- Custom Test Electrodes

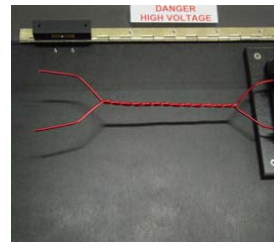
(Optional Accessories)



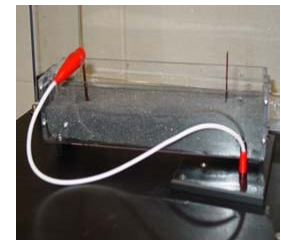
Cylindrical Electrode
For Fine Wire



Varnish Film Electrode



Twisted Pair Setup



Shot-box for Rectangular
Wire

Design and specifications subject to change without prior notification

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Designed and manufactured in the USA
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