

Hi-TestTM Detection Instruments

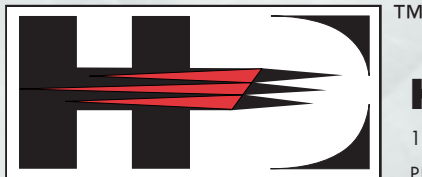


Hi-Test Detection Instruments, Ltd. of Vancouver, Canada was acquired by HD Electric Company in November, 1999.

Hi-TestTM has been a leader in the development and production of portable, high voltage test equipment for the electrical power industry since 1984.

The Hi-Test products are used to troubleshoot devices on electrical power distribution systems. Hi-Test equipment can help determine the causes of customer complaints and service reliability issues. Hi-Test equipment is ruggedized and portable for field use and is designed to enhance line crew safety when used for live line testing.

The Hi-Test products join the already extensive HD Electric Company line of Electrical Test & Measurement Equipment, Controls & System Measurement Products, Lighting and Specialty Products.



TM

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Insulator Tester

The Hi-Test Insulator Tester tests energized or de-energized suspension insulators for non-visible internal failures at any AC line voltage. These non-visible failures are known causes of Radio Frequency/Television Interference (RF/TVI), blinking lights, Oil Circuit Recloser (OCR) operations and blown fuses. They are also a threat to line crew safety when performing energized maintenance.

FEATURES

- Universal spline for attachment to a hotstick.
- Built-in gigohmmeter applies a current limited 10kVDC potential across an insulator.
- Buzzer provides audible warning of bad insulators.
- LED meter displays the condition of the insulator being tested.
- Powered by an 8VDC rechargeable battery, lasts for several days of testing.
- Carrying case included.
- Weight - approximately 3 lbs. (1.36 kg).



Surge Arrester Tester

The Hi-Test line of Surge Arrester Testers perform nondestructive testing of surge arresters for non-visible internal breakdown. These breakdowns are a known cause of blinking lights and RF/TVI. Arresters rated for 3kV to 18kV can be tested with this line of equipment.

FEATURES

- Voltage ranges 0-21kVDC for use on arrester classes up to 15kVAC
0-30kVDC for use on arrester classes up to 25kVAC
- Voltage output is easily controlled and clearly displayed in 700 or 1000 volt steps (depending on model) on an LED meter.
- Leakage current is displayed on a 50 microamp LED meter scale in 5 microamp steps.
- Powered by a 12VDC rechargeable gel cell battery.
- Equipped with pivoting handle and belt clip for portability and hands free use; weight approximately 3 lbs. (1.36 kg.).
- Includes mountable wall storage rack.



Rope Tester

The Hi-Test Rope Tester is designed to test hot line ropes, slings and straps for dielectric integrity at the time and location they are being used. Ropes with diameters ranging from 3/8" in diameter (9.5 mm) to 1 1/2" in diameter (38mm) can be tested along with slings and straps of various sizes.

FEATURES

- Continuously test any length of rope or straps.
- Dielectric condition is displayed by Green (good) or Red (bad) LED.
- 7kV nominal output.
- Powered by an 8VDC rechargeable battery.
- Audible buzzer sounds if defective rope is found.
- Small, portable and easy-to-use.



ORDERING INFORMATION

IT-4	Portable insulator tester with carrying case.
HiSat-15	Portable surge arrester tester for use on arrester classes up to 15kVAC.
HiSat-25	Portable surge arrester tester for use on arrester classes up to 25kVAC.
RT-200	Portable rope tester.

* Due to a policy of continuous improvement, HD Electric Company reserves the right to change product designs and specifications without notice.

HD Electric Company products are available through HD sales representatives worldwide.

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