

Experience, Products, Trust

For over 35 years, Hipotronics has been the most innovative, leading supplier of high voltage test systems to the utility and manufacturing industry. Our long history of innovation has resulted in numerous patents and technological improvements, many of which revolutionized how manufacturers and utilities test with high voltage.

Today, as a member of Hubbell Incorporated, we continue our tradition of innovation. More than 15% of Hipotronics employees have engineering degrees—many have advanced degrees. We are the only large manufacturer of high voltage test equipment to have a dedicated R+D facility that is continually working to upgrade existing products and develop new products. Our vertical integration assures that we can supply our customers with products of the highest quality at the lowest cost and the fastest delivery.

At Hipotronics, we recognize that the relationship with our customers starts before the sale. That's why we've assembled an experienced, knowledgeable team of specialists located around the world to assist our customers with their unique problems. We'll work closely with you before and after your purchase to ensure that our solution meets your needs.

Whether you are a power utility purchasing a portable cable fault locating system, a manufacturer of high voltage T&D apparatus, a supplier of HV components, or a user of HV components, Hipotronics has the equipment to meet your specific needs. Call us today at 800-727-HIPO (914-279-8091) to discuss your specific needs, or visit our website at www.hipotronics.com.



**1200kV/16000kVA
Outdoor Rated
Series Resonant
Test Set**



**1600kV/20mA UHV
DC Insulation Test Set**



**DDX™ Series Digital Partial
Discharge Detectors**



Need description/title



Bench Top Hipots

AC or AC/DC test systems for basic testing of a wide variety of appliances or components. Rated from 1kV to 40kV.



Dielectric Breakdown Testers

These units are specially constructed as a "complete solution" with an interlocked test cage and optional test fixtures and oil baths. All units accurately measure breakdown voltage to +/-1% of reading. Units are available in 50, 75 and 100kV configurations.



AC/DC Kilovoltmeters

A wide range of portable, battery-powered kilovoltmeters for recalibration of HV equipment.



Digital Impulse Control Systems

Hipotronics Digital Impulse Control Systems combine simplicity and flexibility with high charging accuracy. Systems can be interfaced with Digital Impulse Measurement Systems for complete control.



High Voltage Dividers and Measuring Systems

Approved and Reference Voltage Dividers meet all requirements of IEC 60 part 2 and IEEE-4 standards. All systems are traceable to National Standards. Dividers available from 100kV to 4MV.



Digital Impulse Measurement Systems

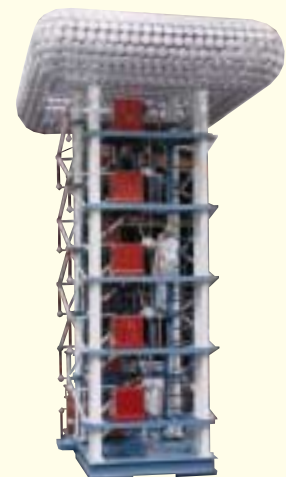
A complete line of Windows®-based 8-bit and 10-bit Digital Impulse Measurement Systems that meet the IEC-1083 and IEEE-1122 standards for digital impulse recorders.



100 Series

Impulse Generators

Hipotronics impulse generators are available in either 100 or 200kV/stage designs. 100 Series Impulse Generators are designed for production and research use up to 2400kV/120kJ and are available with an enclosed gap option. 200 Series Impulse Generators have the lowest internal inductance of any commercially available design, are lower in height, and use polytrigatrons to eliminate impulse misfires.



200 Series



Liquid Dielectric Test Sets

60 or 90kVac semi- and fully-automatic test sets reliably and accurately test the insulating strength of dielectric liquids that are used in a wide variety of electrical apparatus.



Cable Fault Locators

Capacitive discharge cable fault locators are designed for fault locating in underground cables. Different units are available for different cable ratings and test methods.



Portable AC Test Sets

Ideally suited for field testing of vacuum contactors, breakers, hoses, hot sticks, blankets, gloves, and aerial lift equipment. These units are built on an integral hand cart with large rubber wheels.



Portable Microhmmeters

Our MB-10 and ML-100 Portable Microhmmeters deliver regulated output current and use a four-wire resistance method for accurate measurements.



Portable DC Hipots (Single or Two Piece)

Hipotronics manufactures rugged and reliable portable DC hipots with output ratings from 15kVdc to 170kVdc.



Digital High Voltage Radar (TDR) and Couplers

Innovative use of signal coupling and acquisition/analysis allows accurate location of all types of faults with little "thumping."

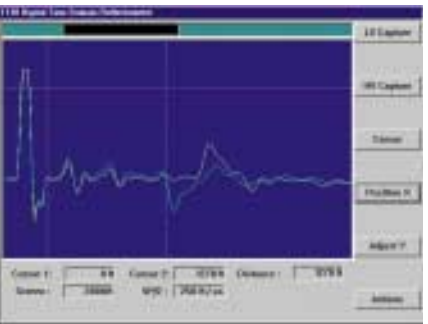


Cable Fault Locating Equipment

Solutions today for the challenges of tomorrow. No matter what your need or test requirement, Hipotronics has a solution to your faulted underground cable problem.



Our advanced HV TDR systems help you pinpoint problems after cables have failed. Our complete line of capacitive-discharge cable fault locators provide pulse energy ("thumps") to assist in locating faults on any type of cable in any location. Our portable AC Test Equipment allows a true 60Hz dielectric test to be done in the field without



size/weight tradeoffs or technical compromises. Should you require a complete, turn-key package, our "solutions" team can put together an integrated package that meets your needs and is ready to test.



Complete System Installations

Hipotronics offers complete installation services for all HV equipment, including site surveys, test area planning, and commissioning/training.



HV Filters

HV filters provide additional attenuation in situations where test load is highly capacitive and PD sensitivity is critical.



Open/Short Locators

Hipotronics WB20CB Open/Short Locator is a highly accurate instrument that detects opens in individual conductors and shorts between neighboring conductors in a multi-conductor cable.

Hipotronics offers a complete range of solutions for Wire and Cable HV Testing, whether you are producing multi-conductor communication cables or HV power cables, or whether you are testing in a production environment or a laboratory.

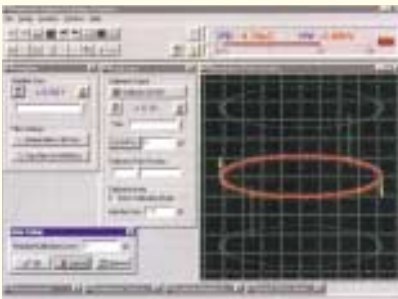


Resonant Test Systems

Hipotronics Series Resonant Test systems are available in either tank-type or modular styles to accommodate all of your production or type test needs.

AC Power Cable Test Equipment

AC sources and test accessories for production or sample testing of power cable. Our analog and digital control technologies can provide basic, cost-effective control or complete automation.



Advanced DDX™ Series Digital PD Detectors

Digital Partial Discharge Detectors are Windows™-based and emulate the look and feel of conventional analog PD detectors. Available in both conventional and pulse discrimination versions.



Automatic Multi-Conductor Cable Test Sets

Hipotronics ATS Series and CT5000 Series test sets are modular, automated test systems for performing low frequency (50/60Hz) tests on multi-conductor communications, signal, control and power cables.



Partial Discharge Site Location System

Partial Discharge Site Location software for the DDX Series allows location of PD sites with much better than 1% accuracy, even near the ends of cables.



Portable DC Hipots (Modular, Stackable)

Hipotronics modular, stackable DC Hipots are designed for field testing where a single, large unit is not practical. DC HV modules quickly stack vertically and connect easily to the control/metering system. Available up to 875kVdc.



Cable Fault Locating Accessories

Hipotronics manufactures a complete line of accessories for cable fault location, including HV cable take-up reels, directional acoustic detectors, and cable ID/phase tracers.



High Current Circuit Breaker Test Sets

Units are available to test circuit breakers, overloads, and relays from 5A to 6000A rating. Larger units are exceptionally compact and portable for their output rating.



Portable Megohmmeters

Product line includes the line-powered HVM Series and the battery-powered HV5C. Available up to 15kVdc output.



Turns Ratio Test Sets

Ideal for testing single phase distribution, power or other transformers, or for testing three-phase transformers one phase at a time.



Sparkers

Hipotronics in-line sparkers provide efficient and precise in-line insulation testing of wire, cable, and tubing.

AC Test Systems



AC Dielectric Test Sets

Systems are available from 5kV to 500kV, 2kVA to 500kVA, with a range of control systems from basic manual controls to fully automated, microprocessor-based digital controls.



Portable AC Resonant Test Sets

Highly compact resonant test systems can be used for a wide variety of field testing. Shown is a 60kV/10A system used for generator testing.



Partial Discharge Test Systems.

Complete test solutions with interlocked shielded enclosures, PD detectors, and AC sources are available for testing a wide variety of HV components.



Transformer Loss Test Systems

Standard systems are available for testing for load and no-load losses in both distribution and power transformers. Optional built-in Applied Potential and Induced Potential test capability are also available.



Motor Test Sets

MTS Series test sets provide variable voltage to start and run motors, and also to measure key parameters. Available up to 2500kVA output.



High Power Variable Transformers

Hipotronics PVTs are uniquely suited for power levels higher than 40kVA, or when step-up of output voltage is needed. Hipotronics PVTs utilizing sliding copper, not carbon, contacts and have smaller size and footprint than carbon brush designs.



HVDC Isolation Transformers

For applications where AC powered instrumentation must be operated at a DC voltage above ground potential, a HVDC Isolation Transformer is ideal. Common applications include ion implant and electron beam systems, and accelerators.



DC Power Packs and Power Supplies

If high power levels are required and if load requirements do not include tight regulation and low output ripple, Hipotronics "linear" power packs and power supplies may be suitable.



Modular Power Test Systems

Hipotronics Modular Power Test Systems are ideal for applications when high power variable voltage is required for test applications.



Be sure to visit our web site at <http://www.hipotronics.com>. It showcases our complete line of power equipment, and includes a handy product cross reference. Use our "rep locator" to find a local representative near you. Contact us through our web site for prompt service and attention. You may also order our catalogs online.



Automatic Voltage Regulators

Hipotronics PAVRs are electro-mechanical voltage regulators designed to maintain output voltage to within +1%. Power levels are typically between 40kVA and 800kVA.