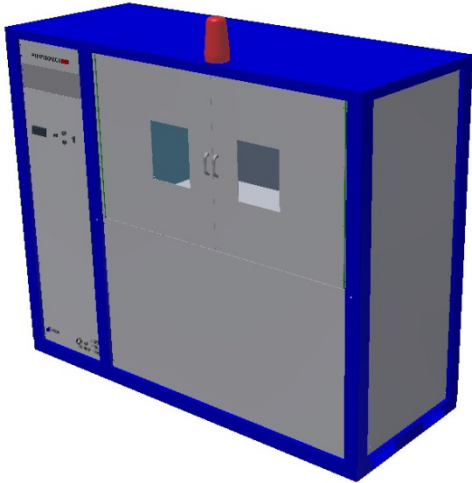


HIPOTRONICS

AC/DC PDTS

AC / DC Partial Discharge Test Systems



■ HIPOTRONICS offers a full line of AC and DC systems to suit a wide range of partial discharge test applications. Our systems feature low PD AC and DC power supplies and the AC/DC partial discharge test systems are complete with a high voltage transformer, controls, metering, electronic overload circuitry, status indicator lights, low voltage filtering, zero-start interlock, Digital Partial Discharge Detector, Coupling Capacitor with HV filter and PD Calibrator. The systems are designed for testing a wide variety of components including transformers, capacitors, connectors, generators, motors, sample lengths of wire and cable, etc. according to industry and national consensus standards. Reference IEC 60270:2015 / 60270:2000+AMD1:2015.

Our Integrated Systems with Test Chambers are a complete single piece solution to PD testing of HV components and insulation materials. They are simple to install and easy to use.

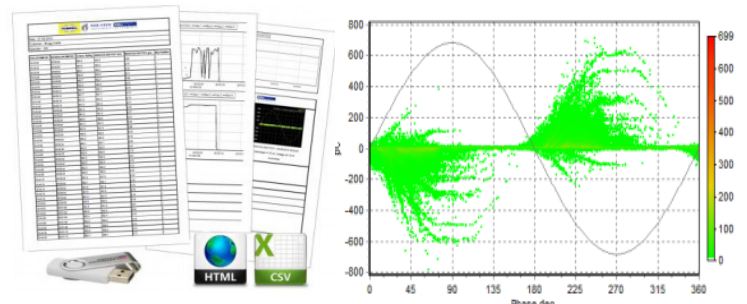
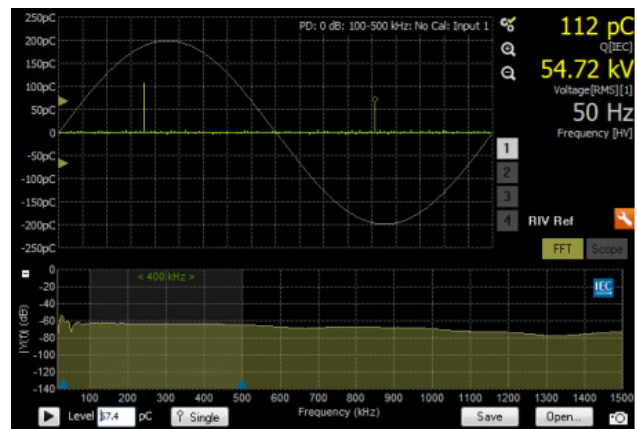
APPLICATIONS

- Capacitors
- Bushings
- Molded Products
- Generators
- Switches
- Insulation materials
- Arrestors
- Cable and Wire Samples
- Transformers
- Connectors
- Insulated Bus Bars

FEATURES AND BENEFITS

- ☑ Fully integrated solutions with built in test enclosures ensures simple installation and ease of use
- ☑ Designed to operate from 10% to 100% of the maximum rated output voltage
- ☑ Reliable and proven AC/DC power supplies and partial discharges detectors
- ☑ Zero start interlock ensures that the voltage control is at a minimum before HV can be energized
- ☑ All major components are designed, manufactured and tested by a single supplier guaranteeing their ability to function together
- ☑ Easy data acquisition and test report generation
- ☑ Includes PD calibrator
- ☑ User can save up to 3 presets, each containing a sequence of up to 10 dwell steps.
- ☑ Low PD output, $\leq 2\text{pC}$ AC. DC PD level based on test requirements.

INTERFACE & APPLICATION SOFTWARE



Hipotronics, Inc. 1650 Route 22. Brewster, NY 10509. United States
tel: + 1 845 279 8091 | fax: + 1 845 279 2467 | email: sales@hipotronics.com

Hipotronics has a policy of continuous product improvement. We therefore reserve the right to change design and specification without notice.

TYPICAL MODELS AND RATINGS

Model	Voltage (kV)	Current (mA)	Cabinet Size (mm) Small Test Chamber	Cabinet Size (mm) Large Test Chamber	Weight (kg)
Integrated AC PD Systems with Single or Two Bay Test Chamber					
705-5A*-E**-B	5	1000	1220 W x 915 D x 2134 H	1780 W x 915 D x 2134 H	790
710-5A*-E**-B	10	500	1220 W x 915 D x 2134 H	1780 W x 915 D x 2134 H	790
715-5A*-E**-B	15	333	1220 W x 915 D x 2134 H	1780 W x 915 D x 2134 H	790
730-5A*-E2-B	30	167	N/A	1780 W x 940 D x 2134 H	840
750-5A*-E2-B	50	100	N/A	1780 W x 940 D x 2134 H	840
775-5A*-E2-B	75	67	N/A	1780 W x 940 D x 2134 H	860
730-10A*-E2-B	30	333	N/A	1780 W x 940 D x 2134 H	860
750-10A*-E2-B	50	200	N/A	1780 W x 940 D x 2134 H	905
775-10A*-E2-B	75	133	N/A	1780 W x 940 D x 2134 H	905
Integrated AC/DC PD Systems with Two Bay Test Chamber					
710/875A*-E2	10 AC / 75 DC	4000 AC / 13 DC	N/A	1780 W x 1245 D x 2134 H	1130
730/830A*-E2	30 AC / 30 DC	167 AC / 5 DC	N/A	1780 W x 915 D x 2134 H	1040
720/850A*-E2	20 AC / 50 DC	1000 AC / 5 DC	N/A	1780 W x 915 D x 2134 H	1130
730/850A*-E2	30 AC / 50 DC	333 AC / 5 DC	N/A	1780 W x 915 D x 2134 H	1040
730/875A*-E2	30 AC / 75 DC	67AC / 13 DC	N/A	1780 W x 1245 D x 2134 H	1040
*5 = 50Hz, 6 = 60Hz					
**1 = single bay test chamber, 2 = 2 bay test chamber, x = no test chamber, components separate					
Note: Single Test Bay Cabinet Test Chamber: 462 mm W x 855 mm D x 882 mm H					
Double Test Bay Cabinet Test Chamber: 1117 mm W x 855 mm D x 882 mm H					

Note: Systems with other voltages and currents are available upon request

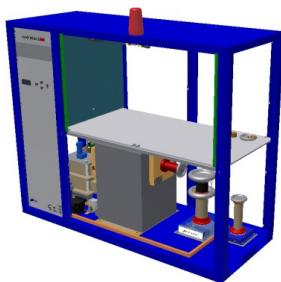
-PD Detector DDX9101 can also supplied with PD test system by changing the "E" to an "A" in the catalog logic in the above table

-Dimensions & weights are approximate and subject to change

SCOPE OF SUPPLY

AC or AC&DC Partial Discharge Test System

- PD Detector
- PD Calibrator
- Control Unit (PLC)
- HV components (couplings capacitor, low PD HV source, voltage regulator)
- Enclosure (all in one or separate depending on purchased configuration)
- Warning lamp on cabinet
- Line filter
- Double shielded isolation transformer (optional)



OPTIONAL ACCESSORIES



CAC-PLC-REMOTE

Remote PLC in benchtop enclosure



DDX 9121b/SKDC

Software key to enable PD measurement under DC



Laptop

Laptop with DDX 9121b software preinstalled and configured.



EXT-WARN

Warranty Extensions to 2 or 3 years
Standard Warranty is 1 year