HV TECHNOLOGIES, Inc. provides the most complete and broadest range available of High Voltage Test Equipment and Service Solutions for the Utility and Electrical Power Industries. Our quality solutions have you in mind and are not based on a single technology, but focused on capabilities and functionalities you need. The people and partners behind HV TECHNOLOGIES have the most industry experience and knowledge in the HV Testing field today!

**HV TEST SOLUTIONS**

**HV Test Systems**

We specialize in providing High Voltage Test Systems for the generation of AC, DC and Impulse Voltage and Current sources to meet your factory, laboratory and on-site test requirements. Our product innovations and expertise provides your company with a solid return on investment.

**Measurement Systems**

HVT provides accurate and reliable HV measurement systems for test and diagnostic information used to assess the HV insulation of electrical generation, distribution and transmission apparatus as well as HV insulating materials and components. Whether it is the measurement and analysis of Partial Discharge, Power Factor, AC/DC, Voltage or Current Impulses signals, we have high quality solutions.

**Cable Fault Systems**

Whether your need is for research, routine, laboratory, or on-site applications, we can provide a cable testing solution for you. Our quality test sets are not based on a single technology, but focused on capabilities and functionalities needed to get your testing done. HVT and its partner, BAUR, feature the most reliable VLF and cable diagnostic solution available today!

**Oil Diagnostic Systems**

Oil Diagnostic Systems provided by HVT can alert you to losses in the insulating and cooling properties of oil due to impurities and ageing. Consequences to these losses include damage and failures of equipment and systems, even catastrophic failures resulting in transformer fires. Our test solutions for insulating fluids can extend the life of your electrical equipment.
Our HV Test Systems are all equipped with state-of-the-art controls for manual, semi-automatic or fully automatic operation. The most advanced operations involve a PC with remote control software that can also be connected to the measuring systems such as PD detectors, Tan Delta bridges or impulse analyzing systems in the case of impulse testing applications.

- Impulse Generators from 50 kV up to 3600 kV, 100 kV per stage or 200 kV per stage designs. For the generation of high voltage lightning and switching impulses according to IEC 60060 and IEEE for indoor and outdoor use
- Resonant Test Systems are applied for the generation of a continuously variable alternating (AC) voltage of a fixed frequency (mainly 50 or 60 Hz) for high-voltage (HV) routine, type and development testing of capacitive test objects. They can also be applied for HV on-site tests. In the case of large capacitive loads such as HV cables, we offer the more economic solution of frequency-tuned resonant test systems
- Conventional AC Test Transformers for applications with less power requirements (500 kVA and below)
- High voltage DC Test Sets for cable and pollution testing applications

The LDS-6 is a highly sophisticated digital measuring system for the Partial Discharge (PD) detection according IEC 60270, as well as various IEEE and other standards.

- PD quality tests on high voltage equipment
- PD diagnosis on insulating materials
- Designed for on-site PD diagnostic tests as well as for manufacturing and research
- PD commissioning tests and maintenance tests on HV equipment
- PD fault location for power cables
- PD UHF and acoustic applications

HV TECHNOLOGIES, Inc. • www.hvtechnologies.com • hvsales@hvtechnologies.com • 703-365-2330
The FRIDA TD is BAUR’s most compact, newest test system that is capable of providing a lightweight source for VLF, DC and Square-wave test requirements with tan delta cable diagnostics. This system can be used for conducting tests on Cable, Cable Sheath, Switchgear, Rotating machines, Transformers and Insulators to the latest IEEE and IEC standards. The FRIDA provides the most reliability available in the market.

Application includes (but not limited to):
- On-site testing of medium voltage cables according to:
  - VDE DIN 0276-620/621 (CENELEC HD 620/621)
  - IEEE P 400.2-2004
  - IEEE 400-2001
- Cable sheath testing / Sheath fault location
- Insulation tests on electrical equipment, such as rotating machines (motors and generators) according to IEEE 433

Features:
- Compact portable testing equipment
- USB interface for easy data transfer (no laptop required in the field)
- VLF truesinus high voltage source
- Fully programmable automatic test sequences
- Data communication and saving via infrared interface
- Automatic, integrated discharging device
- Expandable to diagnostic system for partial discharge measurement

The BAUR Oil Tester DPA is a portable and lightweight oil test set for dielectric strength breakdown measurement of transformer, switchgear and cable insulating oils. Advance design includes:

- Clear detection of breakdown using direct measurement of output voltage
- Fully automatic programming of test sequences
- Built-in lightweight battery pack (included)
- Integrated printer (included)
- Remote software available as an option
- Shortest “Switch-off time” provided with new Switch-off Circuitry
- Test Voltage from 0 to 75 kV

Standard sequences are pre-programmed. The user friendly software can be selected from different languages: English, German, French, Spanish
HV TECHNOLOGIES, Inc. (HVT) is a prominent supplier of High Voltage and EMC Test Equipment and solutions. Our testing and measurement products help our customers with the quality of their products or electrical networks. We have a century of experience and dedication in serving the testing equipment needs for the power utility, power apparatus, and electronic equipment industries. The company is located in Manassas, Virginia, USA and Zeiningen, Switzerland (just outside of Basel) and is a privately held, US owned and US based company. The ownership has been active and dedicated to this industry for over 30 years.

We can offer the most advanced and economic test equipment and services in the industry:

**High Voltage Test Equipment:**
- AC, DC, Impulse Test Sets
- Resonant Test Sets
- Partial Discharge Detectors
- Tan Delta - Dissipation Factor & Capacitance Measuring Bridges
- Cable Fault and Testing Systems
- Insulating Oil Testers
- Digital Transient Recorders
- HV Components and Devices
- Monitoring Equipment
- Compressed Gas Capacitors
- Complete High Voltage Test Floors

**Electromagnetic Compatibility (EMC) Test Equipment:**
- Electrostatic Discharge (ESD) and Surge Testers
- Transient Immunity Testers
- Harmonics Testers
- Oscillatory Wave Testers
- Modular Impulse Generators (MIG)
- Harmonics Measurements
- Flicker Measurements
- NEMP (Nuclear Electromagnetic Pulse) Generators

**Services:**
- Calibration of all Test Equipment
- Repair of all Test Equipment
- On-Site Services
- Training
- Installation and Commissioning
- Site Evaluation
- PD Interpretation
- Upgrade and Modernization Services

The staff of HVT, in cooperation with our partners is focused on providing our clients with top quality, full compliance test instruments at the most competitive prices. Our staff has been supporting the test communities by designing, producing, and distributing the best in test instruments for over two decades. When using our partners’ products, customers experience the most reliable equipment with the cleanest waveforms, most accurate phase angle synchronization, and repeatable results available. This has been possible through innovative product design and the deployment of unique leading-edge technologies.