

ohv diagnostic - years of experience in a young company

We founded ohv diagnostic GmbH in 2013 as a group of engineers with many years of experience in the industry. We develop and build modern measurement and testing systems, repair, and upgrade existing equipment, and provide diagnostic measurements and other services.

In our company, we manufacture testing and measurement equipment for diagnosing the conditions of electrical equipment such as: HV motors and generators, GIS, transformers and MV & HV Cables.

ohv diagnostic – Expertise in high voltage diagnostic technology

Reliable data on the condition of power generation and distribution equipment is now more critical than ever. As a grid operator, you need dependable information to make practical decisions on maintenance and repairs. This information is essential for developing maintenance strategies and for planning optimal technical and commercial investments. It also significantly reduces the risk of unplanned power supply interruptions.

Experience, knowledge, and creativity - our experts

With experience gained through countless on-site assignments, we understand requirements for test stations, laboratories, and high voltage substations. Our specialists have years of experience in diagnostic measurements, scientific studies, and the development of our own high voltage measurement and testing systems. At ohv diagnostic, we combine valuable knowledge from the fields of:

- manufacturing
- power utilities and distribution.
- research institutions.
- assembly

The Damped Alternating Current (DAC) M - 30, 40, and 60kV



systems by OHV Diagnostic are exceptionally compact, lightweight, and versatile solutions for testing and diagnosing medium voltage transmission cables. These programmable systems feature automatic withstand voltage tests, partial discharge (PD) measurement and analysis, and PD localization. Control and analysis are user-friendly via the OHV Suite, the common software platform for all OHV Diagnostic products. Additionally, the DAC M series can perform cable sheath tests.



The online/offline **Partial Discharge Detector (PDD)** from OHV Diagnostic is a multichannel tool designed for multiplexed or synchronized measurements from multiple sensor inputs, enabling superior analysis. It can integrate IEC and UHF signal detectors within one housing. The hardware supports both hard- and software upgrades, including features like gating, VLF, DC pulse count, and PD fault location. The unit offers an optional large on-board display and battery backup, making it ideal for outdoor use where power is unavailable. Additionally, it features a lower noise floor. Devices with an on-board display can store measurements for later viewing or transfer to external storage via USB.



OHV **Diagnostic Partial Discharges Monitoring Systems (PDMS)** are designed for onsite partial discharge assessment with real-time event analysis based on voltage and load conditions. A PDMS typically includes sensors, data acquisition units, and a server equipped with data visualization, storage, and connectivity features, such as a workstation or an interface to a SCADA system. The specific configuration and topology depend on the assets being monitored, the PTD system topology, and the requirements for data acquisition and analysis.

Efficient test environments for high voltages.



OHV Diagnostic is the ideal partner for planning, constructing, and installing customized high-voltage and test systems, optimized and cost-effective per customer specifications. Our proprietary measurement and control software ensures safe, standards-compliant operation and enables a fully automated inspection process. This software can link to database software to assign results to inspected items. The test systems also offer optional PD measuring cabins with fully automatic partial discharge measurement integrated into the test sequence, providing a "pass-fail" assessment according to test criteria.