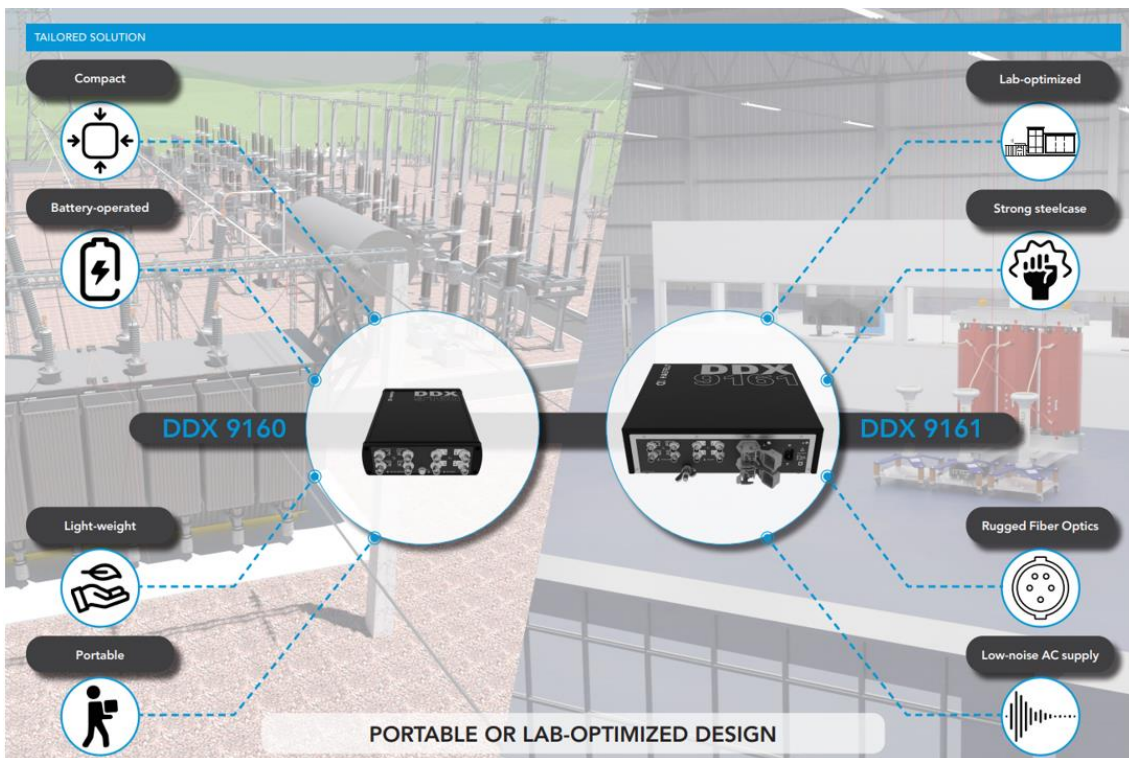




## HAEFELY has released new PD & RIV detectors

The DDX 9160 is lightweight and portable, the DDX 9161 is a laboratory-optimized unit.



Both models are highly integrated, versatile PD and RIV detectors and can accommodate up to four simultaneous PD/RIV and Voltage inputs. They are fully digital state-of-the-art high-performance PD equipment.

The HAEFELY DDX 9160 & DDX 9161 partial discharge detectors are modular and fit a wide range of PD detection applications. DDX 9161 includes an integrated low-noise power supply together with rugged fiber optic connectors and follows the Haefely “plug & forget” concept. DDX 9160 can be operated by battery or use an external power supply. In addition, both units can accommodate four internal integrated measuring impedances up to 1 A covering most of the applications.

Conventional partial discharge measurements according to the latest IEC 60270 or RIV measurements according to the NEMA and CISPR

standards are covered. Phase Resolved PD (PRPD) analysis and Data Logger function are possible as well.

Multiple units (maximum 12 channels) can be connected in a daisy chain and communicate with a Control Software, which handles data acquisition and display PD information, and test results and generates reports.

The DDX 9160 and DDX 9161 increase the laboratory sensitivity as it is equipped with the most flexible digital filters available on the market allowing the measurement frequency band to be shifted into a less noisy range and suppressing frequency-dependent noise.

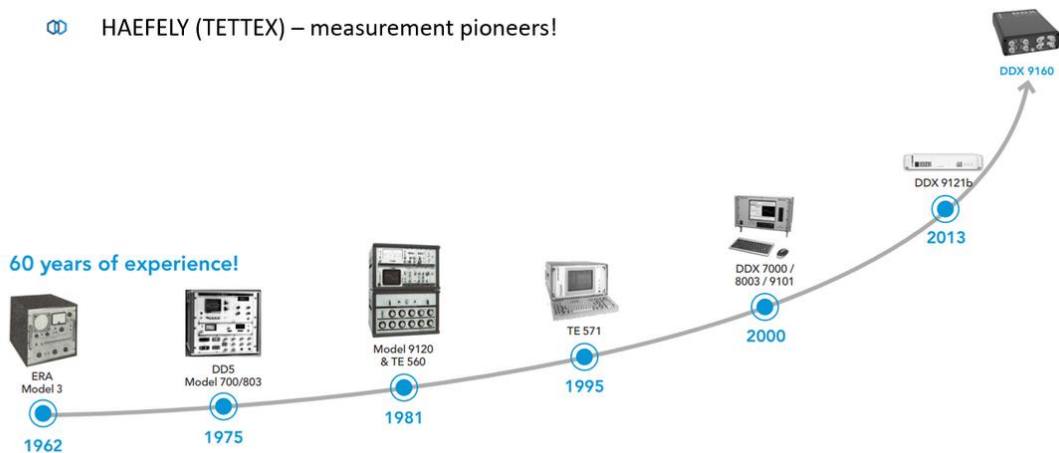
Check the DDX 9160 product page [here](#)

Check the DDX 9161 product page [here](#)

Watch the hardware introduction [here](#)

Watch the software introduction [here](#)

Watch the application examples [here](#)







Learn more about HAEFELY's Small Power Transformer Test System (SPETS) and Impulse Voltage Test Systems

- Daisy chain of multiple detectors
- Minimum boxes requirement for maximum performance
  - Up to 4 channels per box
  - Built-in measuring impedances capable of 1 A
- Suited for 12 phases of simultaneous measurement

- 100% free frequency selection within IEC 60270 range and beyond
- Optimal measuring frequency band settings
- The best signal-to-noise (SNR) ratio

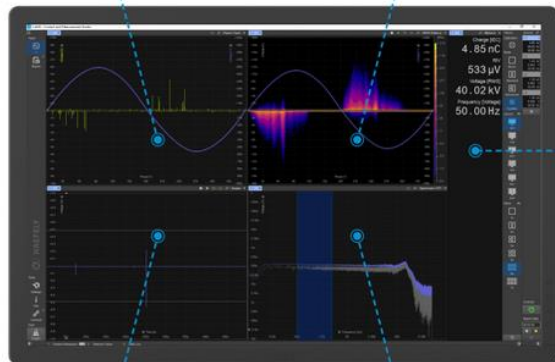
**PD measurement up to 20 MHz**

- Time-domain analysis
- Optimized scope for PD analysis
- High recording depth of 500  $\mu$ s

**Scope view**

PULSE DIAGRAM

PRPD PATTERN



- PD fault recognition
- Various colour palletes
- High sensitivity, down to 0.01 pC

**High-resolution PRPD patterns**

- Frequency-domain analysis
- The finest 2.5 kHz resolution up to 50 MHz
- High-order digital filtering

**Spectrum (FFT) view**

SCOPE

SPECTRUM (FFT)



**Industry-leading weight per channel (4-CH) unit**

**High integration**  
and processing power

**2 - 4x fewer**  
boxes to test large power transformers

**Compact**  
and portable

**Up to 4x built-in**  
**1 A<sub>rms</sub>**  
measuring impedances

**100% free frequency range selection**

**2.5 kHz @ 50 MHz**  
Extra-fine Scope & FFT resolution

**0.01 pC**  
Ultra-high sensitivity

**Battery operated**

**Versatile user-interface**

**HAEFELY's universal SW platform**  
**CaMS**

**Multiple PRPD color palletes**

**Lab optimized**

**High integration**  
and processing power

**A single box**  
to test distribution transformers

**Strong**  
steel case

**Up to 4x built-in**  
**1 A<sub>rms</sub>**  
measuring impedances

**100% free frequency range selection**

**2.5 kHz @ 50 MHz**  
Extra-fine Scope & FFT resolution

**0.01 pC**  
Ultra-high sensitivity

**Low-noise AC supply**

**Versatile user-interface**

**HAEFELY's universal SW platform**  
**CaMS**

**Multiple PRPD color palletes**