

PD61

A portable HF Partial Discharge (PD) detection and location instrument.

Key Features

- ▶ Online Measurement
- ▶ PD Location
- ▶ PD Expert System
- ▶ Advanced Data Display

Benefits

- ▶ Compact, Portable
- ▶ Reliable PD monitoring
- ▶ Competitive Cost
- ▶ CIGRE complaint (5pC)



The PD61 is developed for high frequency partial discharge detection, diagnosis and location on cables, transformers and other high-voltage equipment. The double-end location function solves the core problem of partial discharge location of the cable.

The device is equipped with sensitive and robust High Frequency Current Transformer (HFCT) sensor.

Different diameters are available.

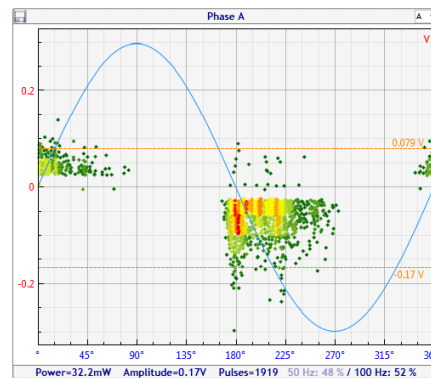
PDS-320 — \varnothing 50 mm

PDS-322 — \varnothing 98 mm

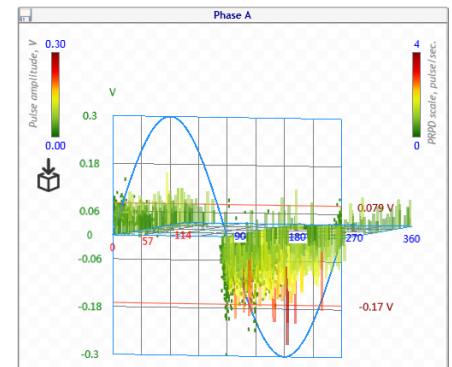


Real-time dynamic 3D sequence (PRPS) and Phase-resolved Partial Discharge (PRPD) patterns with recording and playback.

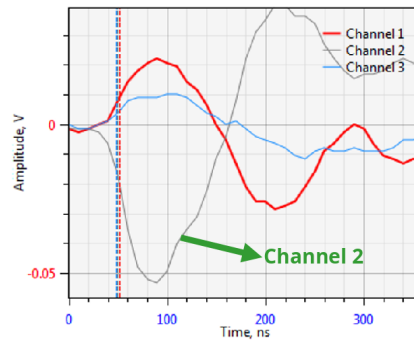
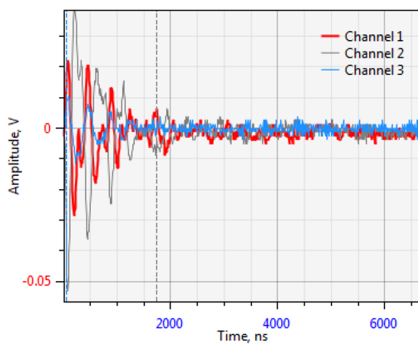
6-channel synchronous sampling (100M samples per second), accurately record discharge waveforms.



PRPD

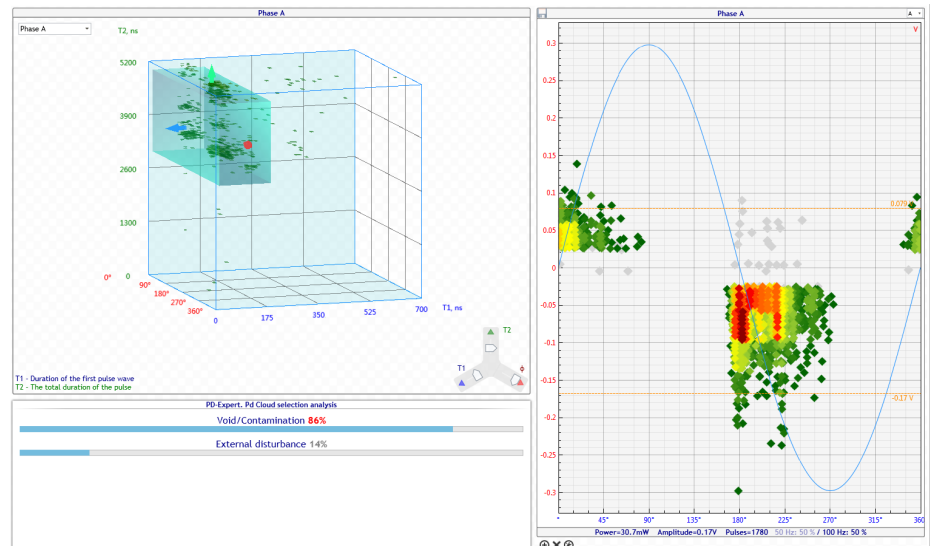


3D sequence

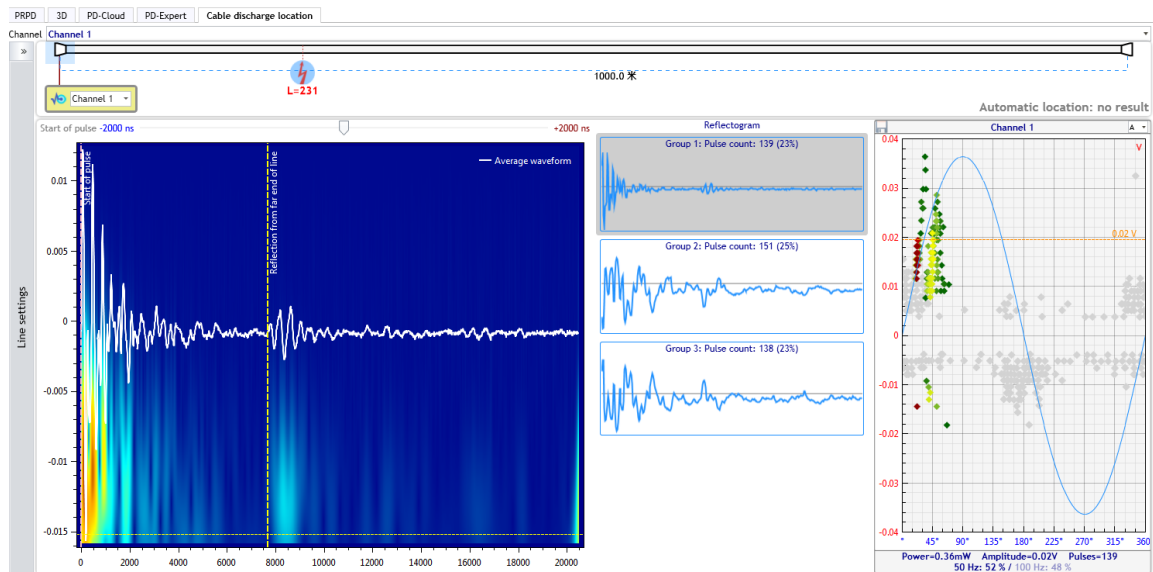


Comparison of waveforms with scalable view allows to determine source among adjacent cables automatically.

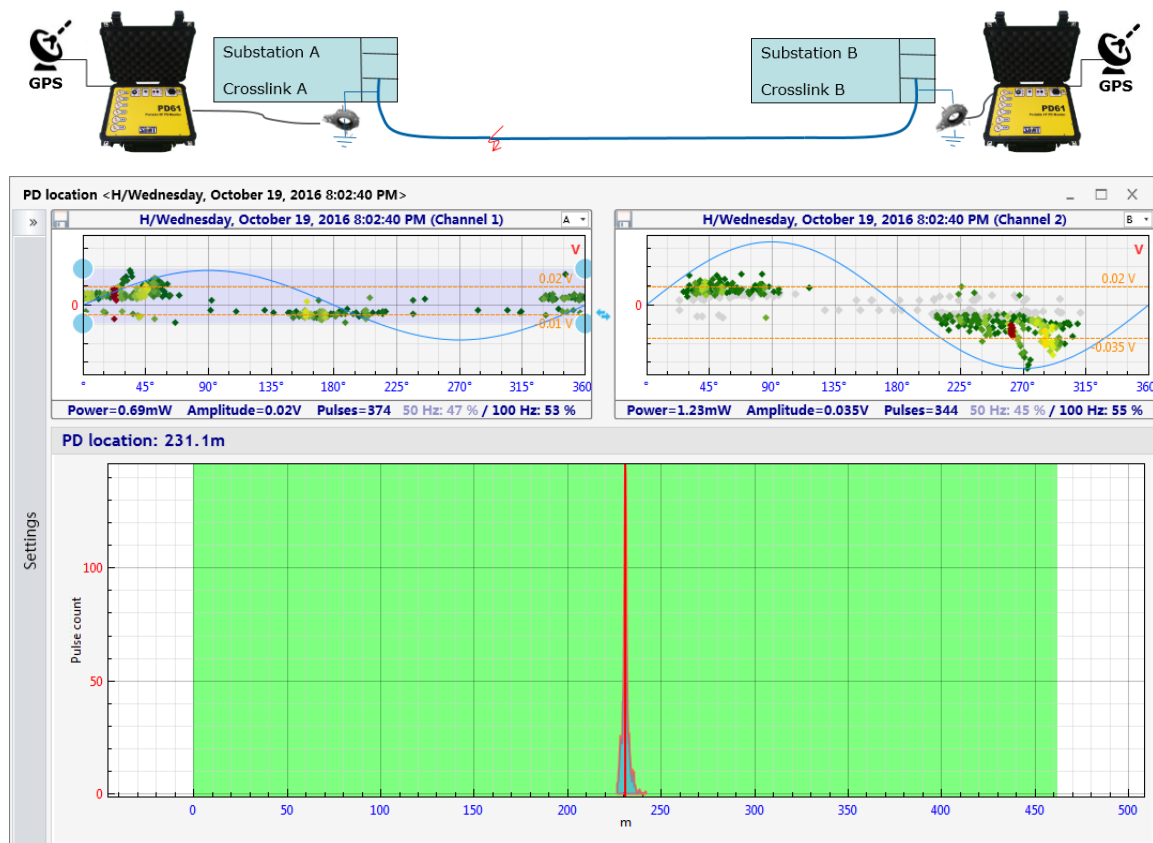
Advanced visual PD cloud selection effectively defines different signal sources according to the waveform characteristics analysis. It also can be used for noise separation.



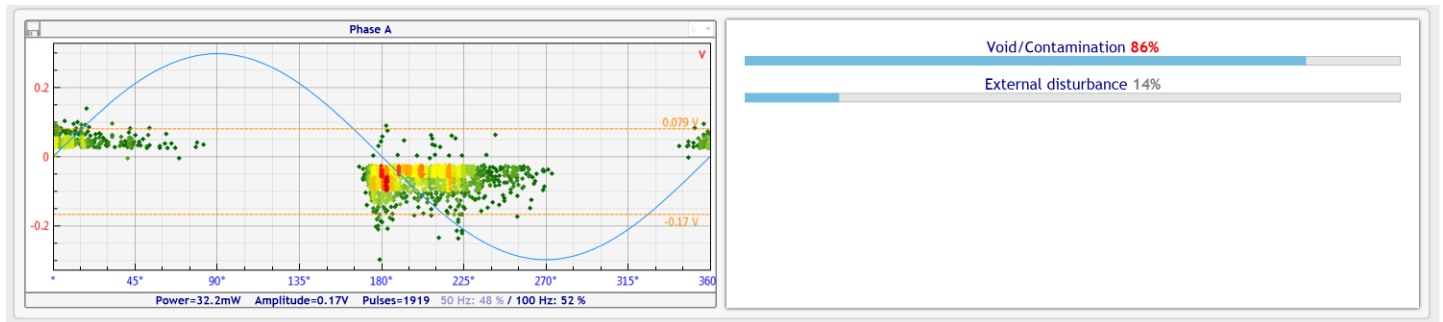
- Single-end cable PD location based on TDR (Time-Domain Reflectometry)



- Double-end cable PD location using GPS time synchronization is greatly improve the efficiency and accuracy of location result



- PD-Expert system provides recognition different types of defect in real-time.



Specifications	
Number of PD channels	6
HF PD frequency bandwidth	0.1MHz to 25MHz
HF PD amplitude range	1mV to 5V
PD location accuracy	<1% of cable length
Communication interfaces	Ethernet, USB
Operating temperature range	-20°C to 70°C
Relative humidity range	not more than 95%, non-condensing
Size	410×300×170 (mm)
Weight	8.0 kg