



PDA
PREMIUM

ADWEL INTERNATIONAL LTD.

The Easiest To Use Full-Featured Portable PD Analyzer on the Market

- *Reliable - truly compatible with previous generations of proven PD analyzers*
- *Economical - one analyzer for hydro and turbo generators, as well as motors*
- *User friendly - all necessary software is included – no need to buy and learn other packages*
- *Versatile - compatible with all capacitive and most other types of PD couplers*



We were first. We still do it best.

ADWEL International Ltd (then FES International) offered the first fully automated portable PD analyzer, the well-known PDA-H, in 1986.

The current model PDA Premium combines the sound basics and proven reliability of the PDA-H with state-of-the-art communication capabilities and digital circuitry.

The PDA Premium features unmatched ease of operation and test result analysis, due to plug-and-play hardware (USB) and streamlined software.

It provides all the traditional graphical and numerical PD test result outputs, with the highest resolution and greatest software flexibility available today.

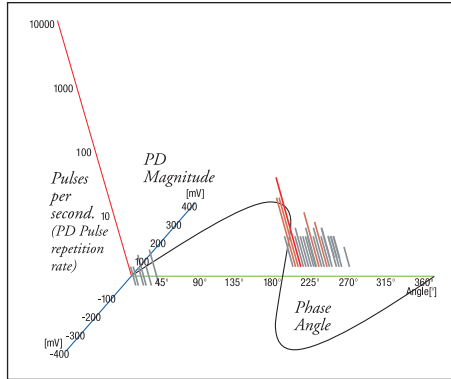
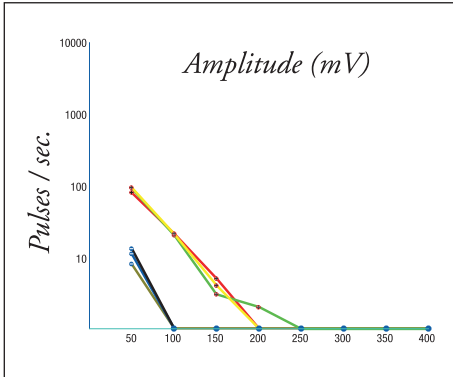
It has been recommended by manufacturers and industry standards such as the IEEE std. 1434-2000.

Backed by a company built on the principle "Do the job right, regardless..."

Partial Discharge Data Trending and Analysis

Phase-resolved (3D) test results based on 120 phase angle windows – the highest resolution on the market.

(Right: The clearly visible positive PD pulse predominance indicates slot discharge, associated with looseness or deterioration of semi-conductive coating)



ADWEL's PD software can superimpose an unlimited number of 2D or 3D graphs - enabling true qualitative and quantitative trending. Other manufacturers offer only single-point quantitative trending (Qm or NQN), of limited diagnostic value.

(Left: example of 2D pulse height graph trending)

Essential Specifications*

Inputs:	Six BNC 50 Ohm connectors
Dynamic range:	± 16mV to ± 6400mV
Noise separation:	Based on pulse shape and arrival times
Bandwidth:	Tuned for capturing PD pulses as narrow as 2.3ns
Magnitude windows:	16 per polarity per phase
Phase angle windows:	120 (3° resolution)
Data acquisition time:	20 seconds per phase
Communication ports:	RS232 or USB (LAN available on request)
Dimensions and weight:	43 X 41 X 16cm (17 X 16 ^{1/2} X 6"), 9kg (20lbs)
Power supply:	Universal, AC 85-264 V, 47-440 Hz
	DC 110-370 V
External synchronization:	100 – 240 V at 25, 50 or 60 Hz
Operating platform:	Windows 2000, Windows XP

*Specifications are subject to change without notice.

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Full range of instruments, couplers, accessories and services for periodic and continuous on-line partial discharge monitoring, such as:

- COPA - the most comprehensive and flexible continuous PD system on the market
- STB - the most economical and straightforward continuous PD monitor on the market
- 80, 500 and 1000pF capacitive couplers in the widest voltage range on the market
- Custom-configured installation, supervision and training services for coupler installation and complete system commissioning
- Analysis and interpretation of PDA test results by some of the most experienced people in the industry



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