



HV Diagnostics

PD

- **PC Software**
- **Comprehensive Database**
- **Automatic and manual modes**
- **Automatically saves test data**
- **Sets parameters and recommends settings**
- **Leads the operator through the diagnostics step by step**
- **Extremely easy and quick reporting**
- **Complete cable length display with PD activities**
- **High noise rejection**
- **PD location – PD mapping**
- **PD magnitude**

HV Diagnostics, Inc.
North and South America

271 Rope Mill Pkwy, Ste 2
Woodstock, GA 30188
USA

Tel. +1 (678) 445-2555
Fax +1 (678) 445-2557

www.hvdiagnostics.com
sales@hvdiagnostics.com

HV Diagnostics S.à.r.l.
Africa, Asia, Australia,
Middle East

www.hvdsa.com

PD30-E

Partial Discharge Detection and Location

The HV Diagnostics Partial Discharge Diagnostics System PD30-E is ideal for both portable and vehicle mounted solutions for measurement, location and mapping of partial discharges in medium voltage power cables. It can also measure PD levels other electrical plant (switchgear transformers etc.). Delivery includes the comprehensive control and diagnostics software HV Diagnostics Suite, which makes the process of testing and diagnostics easy as never before, by guiding the operator step by step through the entire process. The Database feature makes results processing and archiving for future reference accessible in just a few clicks.



Type	PD30-E
Part Number	700 221
Rated Voltage	34 kV peak/ 0.1 Hz
Rated Current	1 amp
Filter Capacitance	4 nF
Dimension L x H x W	300 x 486 x 250 mm / 12 x 19 x 10 inches
Weight	28 kg / 62 lbs
Sample rate	10 ns
Measuring range	20 km at 80 m/μs
PD background level	10 pC
Bandwidth	100 MHz
Synchronisation (Hz)	Auto
Auto Zero Crossing	Yes
Triggered Noise	Manual and Auto
Calibrator	100 to 10,000 pC
Diagnostics Software	
Features	<ul style="list-style-type: none"> • Automatic or manual modes for PD Diagnostics • Guided Diagnostics Process • Comprehensive Data Bank • Sets or recommends measuring parameters • Extremely easy reporting
Measurement	Cable length with PD activities, PD Location, PD Mapping PD Magnitude, Sine Wave Imposed display, Background noise, PDIV
System requirements	MS Windows 7 / 8
Languages	On request