



HV Diagnostics

PD

- **HV Diagnostics comprehensive Diagnostics Software and Database**
- **Automatic and manual diagnostics modes**
- **Saves data automatically**
- **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**

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PD90-2/TD

Partial Discharge Diagnostics System incl. Tan Delta Diagnostics

The HV Diagnostics high voltage Test System PD90-2/TD offers both portable and build-in solutions for diagnostics of medium voltage cables, rotating machines and transformers.

The comprehensive control and diagnostics software HV Diagnostics Suite® makes the process of diagnostics easy as never before, guiding the operator step by step through the entire process. The Database solutions of HV Diagnostics Suite® makes data processing and availability for future references accessible in a few clicks.



Type		PD90-2/TD
Part Number		709 223
Operating Voltage	Sinusoidal	1 - 64 kV rms / 90 kV peak
	Frequency	0.1 Hz
HV Coupling Capacitor	Filter Capacitance	1 nF
	Dimensions	L 300 x H 785 x W 250 mm / 21.2 kg L 12 x H 31 x W 10 inches / 47 lbs
	Transport Case (With incl. Accessories)	L 718 x H 1178 x B 427 mm / 26 kg L 28 x H 46 x B 17 inches / 57 lbs
HV Filter	Coupling Capacitance	1 nF
	Dimensions	L 300 x H 690 x W 250 mm / 19.9 kg L 12 x H 27 x W 10 inches / 44 lbs
	Transport Case (With incl. Accessories)	L 550 x H 860 x B 435 mm / 25 kg L 21.7 x H 34 x B 17 inches / 55 lbs
Measuring Range		20 km at 80 m/μs
PD background level		<30 pC
Sample Rate		10 ns
Input Impedance		10 kΩ / 50 pF
Bandwidth		100 MHz
Diagnostics Software		
Features		<ul style="list-style-type: none"> • 0.1 Hz PD Diagnostics • Automatic or manual modes for PD Diagnostics • Guided Diagnostics Process • Comprehensive Database • Sets or recommends measuring parameters • Extremely easy reporting
Control		HV Diagnostics VLF generator control, PD Diagnostics
Measurement		Cable length with PD activities, PD Location, PD Mapping, PD Magnitude, Sine Wave Imposed display, Background noise, PDIV and PDEV, etc...
System requirements		MS Windows 7 / 8
Tan Delta		
Operating Voltage	Sinusoidal	1 – 64 kV rms
	Frequency	0.01 to 0.1 Hz ¹
Tan Delta Measurement	Resolution	1 x 10 ⁻⁵
	Accuracy	± 1 x 10 ⁻⁴
Load Range	Standard	500 pF to 10 μF
Weight and Dimensions		Incorporated in PD Coupling Capacitor

Please note: VLF (0,1 Hz) high voltage generator (required) is not in scope of delivery.