



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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PD60-2/TD

Partial Discharge Diagnostics System incl. Tan Delta Diagnostics

The HV Diagnostics high voltage Test System PD60-2/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	PD60-2/TD	
Part Number	706 223	
Operating Voltage	Sinusoidal	1 - 44 kV rms / 62 kV peak
	Frequency	0.1 Hz
HV Coupling Capacitor	Filter Capacitance	1 nF
	Dimensions	L 300 x H 590 x W 250 mm / 17.2 kg L 12 x H 23 x W 10 inches / 38 lbs
	Transport Case (With incl. Accessories)	L 550 x H 860 x B 435 mm / 24 kg L 21.7 x H 39 x B 17 inches / 53 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 – 44 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.