

# DATA SHEET

## Partial discharge tester PD 4020L



Partial discharge tester PD 4020L with active microwave antenna  
Plug-in 19" / 2 HU

<b>Description</b>	The PD 4020L partial discharge tester helps to test insulation materials and insulation systems for their insulation strength. Whether testing individual insulating materials, such as plastics or paints, or components from the drive train, such as stators or connectors, whether in the laboratory or in production, whether in small or large series: The PD 4020L is suitable for all environments and requirements and delivers the most sensitive measurement results with precise repeatability!	
<b>Input HF</b>	Channel / Sensor A & B	TNC socket
		50 Ω impedance
		± 1.5 V peak max.
		24 V Phantom power supply
<b>Measurement HF</b>	Frequency range	depending on sensor
	Sensitivity	approx. -90 up to -30 dBm
	Damping in the stop band	120 dB
	Sampling rate	250 Mhz
	Resolution	12 Bit / 4 ns
	Memory	256 MS
<b>Input HV</b>	Voltage measurement	5,500 V AC up to 100 Hz / 6,000 V DC
	Input impedance	2 x 90 MΩ against earth, potential free, up to 18 kV peak
<b>Input HV probe</b>	For connecting an external HV probe	
	Voltage measurement	+/- 8 V peak Spite
<b>External trigger</b>	0 - 5 V, TTL signal	
<b>Automatic evaluation</b>	<ul style="list-style-type: none"> <li>• Limit value partial discharge</li> <li>• PDIV inception voltage</li> <li>• PDEV extinction voltage</li> </ul>	
<b>General data</b>	PC-Software	DAT 3805, DLL 3805
	Dimensions (HxWxD) and weight	89 x 483 x 491 mm / approx. 12 kg 3.5 x 19.0 x 19.3 in. / approx. 26.5 lbs
	Mains supply	90 up to 250 V, 50 Hz / 60 Hz
<b>Interfaces</b>	Computer interfaces	Ethernet / LAN, USB 3.0
<b>Operation</b>	Remote only	ModbusTCP