


# DIELECTRIMETER

A DIELECTRIMETER IS A COMBINATION OF 2 EQUIPMENTS DEDICATED FOR 2 FUNCTIONS

- a megohmmeter, made to measure insulation resistance, high resistances
- a hipot tester to make a high voltage test (also called dielectric strength test, hipot test, hi-pot test, breakdown test or flash test)

The dielectrimer can do automatically and successively those 2 above tests, as hipot then megohm, megohm then hipot, or megohm then hipot then megohm again. This last test is the ideal one, which ensures that the high voltage test has not been damaging anything on the device under test.

Sefelec dielectrimer range	Hipot tester / Dielectric strength tester AC voltage	Hipot tester / Dielectric strength tester DC voltage	Hipot tester / Dielectric strength tester Current	Megohmmeter Resistance	Megohmmeter Voltage	Interface	Software
<b>Dielectrimer DXS50</b> 	5kV	No	10mA AC	50kΩ - 200GΩ 2TΩ in option	10...500V DC (1V steps) 1000V DC in option	RS232 included GPIB, PLC, Ethernet in option	SXS Pro
<b>Dielectrimer DXS56</b> 	5kV	6kV	10mA AC 4mA DC	50kΩ - 200GΩ 2TΩ in option	10...500V DC (1V steps) 1000V DC in option	RS232 included GPIB, PLC, Ethernet in option	SXS Pro
<b>Dielectrimer DXS500</b> 	5kV	No	110mA AC	50kΩ - 200GΩ 2TΩ in option	10...500V DC (1V steps) 1000V DC in option	RS232 included GPIB, PLC, Ethernet in option	SXS Pro
<b>Dielectrimer DXS506</b> 	5kV	6kV	110mA AC 50mA DC	50kΩ - 200GΩ 2TΩ in option	10...500V DC (1V steps) 1000V DC in option	RS232 included GPIB, PLC, Ethernet in option	SXS Pro
<b>High Voltage switching matrix EXS3200-HV</b> 	-	5 kVAC 110mA max  4 kVDC 40mA max	1kV DC 200 GΩ max	-	-	RS232, dry contacts, USB (option)	SXS Pro-EXS

<p><b>Dielectrimer</b> <b>PREMIER 2803</b></p>  A photograph of the Dielectrimer PREMIER 2803 dielectric measurement instrument. It is a white, rack-mountable device with a digital display showing '3.001 00.001 100.000'. The display also shows '3.001 00.001 100.000' and '3.001 00.001 100.000'. There are several buttons and a large red knob on the front panel.	5kV	6kV	40mA AC 10mA DC	up to 9.5 GΩ	1000V DC	RS232, USB, signal I/O included	No
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