











MEGOHMMETER

A MEGOHMMETER IS A HIGH RESISTANCE METER DEDICATED TO MEASURE AN OHMIC VALUE UNDER A DIRECT VOLTAGE OF GREAT STABILITY

To measure a high value resistance, techniques for measuring a low value current are used. A constant voltage source (DC Voltage) is applied to the resistance to be measured and the resulting current is read on a highly sensitive ammeter circuit that can display the resistance value (in MΩ, GΩ, TΩ)

A Megohmmeter is also called a high resistance tester, a teraohmmeter , a megger, a high insulation tester

Sefelec megohmmeter range	Resistance range	DC voltage	Accuracy	Pico-ammeter	Interface	Portative	Software
<u>Megohmmeter CA6541</u> 	2kΩ-2TΩ	50,100,250,500,1000	5%	No	No	Yes	No
<u>Megohmmeter CA6543</u> 	2kΩ-2TΩ	50,100,250,500,1000	5%	No	RS232	Yes	No
<u>Megohmmeter CA6545</u> 	30kΩ-10TΩ	500,1000,2500,5000	5%	No	No	Yes	No
<u>Megohmmeter CA6547</u> 	30kΩ-10TΩ	500,1000,2500,5000	5%	No	RS232	Yes	No

<p>Megohmmeter <u>MXS500</u></p> 	50kΩ - 2TΩ	10-500(1V steps)	±(1% + 1V)	No	RS232 included GPIB, PLC, Ethernet in option	No	SXS Pro
<p>Megohmmeter <u>MXS1000</u></p> 	50kΩ -2TΩ	20-1000 (1V steps)	1,5%	No	RS232 included , GPIB, PLC, Ethernet in option	No	SXS Pro
<p>Megohmmeter <u>M1501P</u></p> 	100Ω - 2000TΩ	1-1500 (1V steps) option up to 70 kV DC	0,2%	0,01pA -20mA	GPIB included RS232, PLC, 0-10V analog output in option	No	No
<p>Megohmmeter <u>M1501M</u></p> 	1kΩ - 2000TΩ	1-1500 (1V steps) option up to 70 kV DC	0,2%	0,01pA -20mA	RS232 in option	No	No
<p>Megohmmeter <u>M1501U</u></p> 	5kΩ -20TΩ	10-1500 (10V steps)	0,2%	50pA- 3mA	No	No	No
<p>Isoscan S.I.R. testing with M1501P</p>	1MΩ - 2000TΩ	1-1500 (1V steps) for measurement & polarisation (BIAS)	0,2%	0,01pA -20mA	GPIB included	No	Isoscan
<p><u>REMA Series</u></p> 	we also manufacture a wide range of high value standard resistors from 1MΩ to 100TΩ						