

High Resistance Meter

The 4339B high resistance meter is the most advanced tool for making precision high-resistance measurements range from 10^3 ohm to 10^{16} ohm.

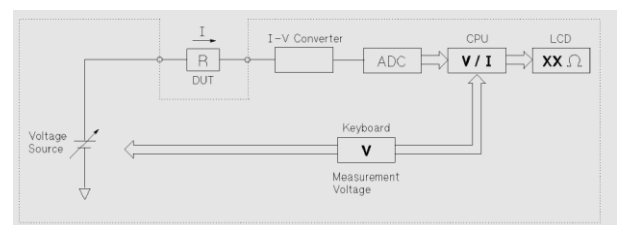


❖ Instrument parameters

Device Name	4339B
Source Power	0.1 to 1000 v
Resistance Range	$10^3 \Omega$ to $10^{16} \Omega$
Accuracy	0.6%
Measure Speed	34ms/70ms/900ms




❖ Measurement method

DC amplification method, namely measured leakage current with a small circuit amplifier by applying a high voltage to the measured resistance, then according to Ohm's law formulas calculated resistance.



❖ **Test object**

Pen fixture, product size and the type of electrode is not required, the following is the main test objects and their size:

Products Type	Products Name	Size Range[code in mm / (EIA code in inch)]	Photo
Common mode choke coil	Wire wound chip common mode choke coil	1210/1608/2012/3216 (0504/0603/0805/1206)	
LTCC products	Multilayer chip LC filter	1005~3225 (0402~1210)	
Varistor	Multilayer chip varistor	0603~2012 (0201~0805)	

❖ **Measurement Parameters**

Insulation resistance R, the DC current I, surface resistivity ρ_s , volume resistivity ρ_r