

## Varistor Test Meter

A versatile, multi-purpose laboratory equipment, mainly used for measuring voltage limiting varistor voltage volt-ampere characteristics of the device (UN) (also known as the DC reference voltage), the nonlinear index ( $\alpha$ ) and leakage current (IL), and also used to be a direct voltage/current source.



### ❖ Instrument parameters

Device Name	CJ1001
Varistor voltage	0 to 1400 V
Leakage current	0 to 2000 $\mu$ A
Accuracy	0.6%
Frequency	20 Hz to 1M Hz



### ❖ Measurement method

The varistor voltage method: Given a specified varistors (1 mA) DC current, and then measuring the voltage across it.

The leakage current method: Measuring current flowing through the varistors which applied to the predetermined varistors voltage(75%,83% of the maximum DC voltage) at 25°C.

## ❖ Test object

Using SMD chip fixture for the current specifications of sensitive products, the main contents of the tests and their size parameters are as following:

Products type	Products name	Size range[code in mm / (EIA code in inch)]	photo
Parallel/Bottom	Multilayer chip varistor	0603~2012 (0201~0805)	
Leaded	Leaded varistor for voltage surge suppression	05~20(02~08)	

## ❖ Measurement Parameters

Varistor voltage, Leakage current, Nonlinear Index