



980



# EV Charging Connector Testing System

For high-energy Electric Vehicle Charging Connector Testing System, Microtest provides high-quality beam-line high-voltage integration testing and ideal customized solutions

## Features

- Signal source frequency range: 10 Hz 至3/5/10/20/30 MHz
- Signal source grade: 10mV ~ 2V / 200 $\mu$ A ~ 20mA
- Basic accuracy up to  $\pm 0.08\%$
- ALC function
- Output resistance 25 $\Omega$ /100 $\Omega$ , switchable
- Ultra-high measuring speed < 3ms
- Open circuit/short circuit/load calibration function
- Up to four component parameters can be selected in the electric meter mode. The induction and DCR values can be measured and displayed simultaneously
- Auto component classification: Comparator function and Handler BIN classification function
- Rapid automation and data access function is realizable for USB, GPIB, LAN and RS232 interfaces.
- PC connection data analysis software is available
- Ultra-low power consumption < 30W, without fans and zero noise

## Specification

	AC-HI-POT	DC-HI-POT
High voltage leakage current test	AC-HI-POT	DC-HI-POT
Voltage range	10V ~ 5000V	10V ~ 6000V
Short circuit (leakage current)	0.001mA ~ 31mA	0.001mA ~ 5mA
Ramp time	0.1 ~ 999s(0.1 ~ 10s)	0.1 ~ 999s(0.1 ~ 10s)
Maintenance time	999s	
Insulation Resistance		
Voltage range	10V ~ 1000V	
IR Range	100 ~ 500V, 1 ~ 1000M $\Omega$ ( $\pm 5\%$ )	500 ~ 1000V, 2 ~ 12000M $\Omega$ ( $\pm 5\%$ )
Ramp time	0.1 ~ 999s(0.1 ~ 10s)	
Component Test		
Resistance	Capacitance	Diode
0.01 $\Omega$ ~ 20M $\Omega$	10pF ~ 3 $\mu$ F	0 ~ 6.8V
4-wire Test		
Conductance	Open/Short	
1m $\Omega$ ~ 52 $\Omega$	2k $\Omega$ ~ 100k $\Omega$	