

Electrometer Specifications

Measurement Characteristics:

Voltage	1 μ V-200V
Current	10aA-20mA
Resistance	1 Ω to 200T Ω
Charge	1fC to 2 μ C

Voltage Source range

100V	Resolution: 5mV
1000V	Resolution : 50mV

Other Features:

- Input Bias Current Noise: <750aA p-p
- Input Impedance: >200TW
- NMRR: >60dB on all range at 50Hz
- Memory Buffer Capacity : Up to 50000 reading
- Reading Rates: Internal buffer (up to 425 and to external memory and to IEEE 488 Bus up to 400 reading/second)
- Temperature and Humidity Stamping: A built in data storage buffer for recording and recalling temperature and relative humidity data.
- IEEE-488.2 USB to GPIB Interface
- Ranging: Automatic/manual
- Conversion Time: Selectable 0.01PLC to 10 PLC
- Maximum Input: 250V peak, DC to 60Hz sine wave
- 2V analog output: 2V for full range input Non-inverting in Volts mode, inverting when measuring Amps. Ohms, or Coulombs. Output impedance 10KW
- External Trigger: TTL compatible External Trigger and Guard Switchable voltage.
- Alternating polarity voltage sourcing and measurement method for high resistance Measurement
- Built-in test sequences device characterization tests, surface and volume resistivity, surface insulation resistance, and voltage sweeping
- All necessary accessories should be provided
- Warranty : 1 Year
- Vendor should be authorized from OEM

Source Meter Specifications

S. No	Parameter	Specifications
1	No. of channels	Single for performing two and three terminal devices i.e Resistors, Diode, Transistors characterizations
2	Current Range	10 nA upto 1 A
3	Voltage range	20mV upto 200V
4	Min Source Resolution	Current: ≤ 500 fA Voltage: ≤ 500 nV
5	Min Measure Resolution	Current: ≤ 10 nV Voltage: ≤ 10 fA
6	Basic Accuracy	0.012%
7	Sweep Features	Linear, Log, Dual Linear, Custom
8	Memory buffer	> 250000 points
9	communication	GPIB, ETHERNET, USB,
10	Display	LARGE - 5" Full Colour Capacitive Touch Screen, Dual display of parameters Icon - Based menu system
11	Source and Measurement Display	6.5 Digit
12	Features	Full Four Quadrant Operation Enhanced sensitivity Inbuilt Instrument Control Software for performing I-V measurements Dual Inputs: Front- Banana Jacks ; Rear -Triax
13	Warranty	At least one year
14	Accessories	Sample Holder and Triax cable for packed device characterization and