

Low Current Electrometer

Model PCA 21 Pico Ammeter



General Specification

- Measuring Ranges : 100pA, 1nA, 10nA, 100nA, 1mA
- Resolution : 0.1pA, 1pA, 10pA, 100pA, 1nA, 10nA, 100nA
- Accuracy : 0.3% for all ranges
- Low bias current (50fA)
- Input resistance : 0.025, 0.25, 2.5, 25, 250, ohm, 2.5Kohm
- Display : LED 3-1/2 digit
- Input : BNC cable
- Output signal : 0-200mV for the each ranges
- Operational power : 220VAC 50/60Hz

Application

- Output detection of low current sensors
- Electrical conductivity of Air
- Piezoelectric sensing
- Low current Electrometer
- Electrically charged materials
- Ion electrometers
- Measurement Protected for high voltage source up-to 200 VDC
- Direct measurement by 0-200 mV output for each ranges

The PCA 21 can measure the low current down to 0.1pA. The unit can be applied a low current signals from sensors and detectors. And the unit can be use the electric charged particles and low current with high DC voltage sensing signals as an electrometers.

The unit uses the 220 AC power as a standard and must be ground well for the reliable measurement. The unit consists of high impedance components. Therefore, the unit has to store the dry and anti-dust area for avoiding the damages and reliable performance.

Please check if the user measured high voltage with low current, the unit required zero adjustment.

And must be checked and corrected if necessary for the particular load.

How to order ;

- Standard Unit with BNC input cable(1)- PCA 21S
- Option : Up-to 5 Channels with individual range selection

* The specification can be change without notice .



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