

This sensor measures electrostatic charges. It can be seen as a highly sensitive electrostatic indicator indicating whether a charge is positive or negative. Other uses are: to explore the nature of static charge, to measure both charge and voltage, to measure charge by induction, quantify the charge on a capacitor or discover the charge distribution on a conducting sphere.



Specifications

- Used in the fields of Physics, Electronics, Chemistry, Biology, etc.
- Houses a sensitive voltage sensor with several capacitors in series along the input. While an electric current flows through the circuit, the capacitors gain charge until they have a charge in equilibrium with the voltage level of the source.
- Includes power and ground wires connected directly to the sensor's body and alligator clips for both of the power and ground wires.
- The sensor is pre-calibrated at the factory.
- Experiment duration: 1 second to 31 days.

Range and operation modes	ADC Resolution	Resolution	Max. sample rate (S/sec)
± 5.000 nC	16 bits	1 pC	100
±20.000 nC		10 pC	
±100.000 nC		100 pC	
±500.0 mV		0.1 mV	
±2000 mV		1 mV	
±10.000 mV		1 mV	

Sensor Requirements

Hardware

- **USB Module (USB-200)**
Direct connection to the computer (PC, Mac, XO, or Linux)



or

- **WiFi Module (WIFI-201 or WIFI-202)**
Wi-Fi communication – For any device which uses WiFi technology (ipads, Tablets, Smartphones and Computers)



- **Optional Accessories:**
Battery Module, RF Communication Module, Graphic Display Module, Digital Display module



Software

- Application for Windows
- Application for Mac
- Web Application for WiFi module
- NeuLog Software



Multiple logger sensors can be used together!



Subject to Change