

The NeuLog calcium sensor enables measurements of ionic calcium (Ca<sup>2+</sup>) concentration in aqueous samples. This measurement is very important when evaluating water quality. It can also be used to determine calcium – magnesium by EDTA titration.



## Specifications

- Used in the fields of Environmental Science, Ecology, Chemistry, Biology, etc.
- Uses a permanently filled ion selective electrode to accurately measure the amount of calcium ion in a solution.
- Includes a calcium sensor electrode, calcium Ionic strength adjuster (ISA), calcium 1000 ppm standard.
- The sensor is pre-calibrated at the factory.
- Offsetting is conducted by using a 10 ppm calcium solution.
- Experiment duration: 1 second to 31 days.

	mg/L	ppm
Range and operation modes	0.02 to 40,000	0.02 to 40,000
ADC Resolution	15 bits	
Resolution	0.03 at 0.02 to 100 mg/L 0.1 at 100 to 1,000 mg/L 130 at 1,000 to 40,000 mg/L	0.03 at 0.02 to 100 ppm 0.1 at 100 to 1,000 ppm 130 at 1,000 to 40,000 ppm
Max. sample rate (S/sec)	100	100

## Sensor Requirements

### Hardware

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



### Software

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



or

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



**Multiple logger sensors can be used together!**



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

