

## The easiest and most advanced way to investigate and explore



### Detailed Description

The NeuLog™ technology is based on modular and independent sensors. Each sensor takes samples and registers the information in its own memory independently from others.

The NeuLog™ sensors connect to each other forming a long chain. This special connection allows all kinds of sensor combinations regardless of order and how many sensors of each type. Sensors can be added or removed without affecting the others.

The NeuLog™ technology allows the connection of two different chains through the communications unit NeuLog™ RF. This RF unit creates a virtual connection between both chains turning them into one. Also in this case, there are no limitations for the type of sensors or the amount.

After connecting the sensors according to the experiment, initiation must be carried out, setting the sample rate and other parameters in each sensor.

Initiation can be performed in two ways:

- Monitoring unit – it has LCD screen and keyboard which allow easy use also outside.
- PC unit – connects to the USB port using the NeuLog™ software for the initiation and for other functions.

The RF communication units can help in long distance initiation.



# NeuLog™

## Characteristics:

- Flexible and modular system
- Can be used for elementary schools up to university level
- All sensors work both simultaneously and individually
- Up to 50 sensors (in each chain)
- With monitoring unit for outside work with LCD screen
- Wireless RF communication
- Fast USB connection
- Automatic recognition of sensors
- Programmable sample rate (20/H a 20000/sec)
- Large memory sensors (64 K samples in each sensor)
- Measurements from 3.2 sec up to 133 days
- Works with USB power or batteries. No power supply necessary.

## Available Sensores:

- Temperature
- Current
- Light
- Voltage
- Photogate
- Heart rate
- Oxygen
- Force
- Sound
- Humidity
- pH
- Pressure



The system includes a teacher's guide and an experiments manual for the student.

