FOURIER
education

NOVA AIR

Wireless Science!

NOVA AIR ™ a compact wireless one channel data logger designed to transmit data from Fourier's sensors to computers and iOS devices (iPad / iPhone / iPod Touch). With NOVA AIR, teachers and students have the ability to conduct a wider range of scientific experiments that were previously unapproachable due to the limitations of cables and cords.

Utilizing Bluetooth® technology, NOVA AIR delivers real-time performance and increased reliability during experimentation, and its internal memory enables ultrafast sampling rates which are highly beneficial when performing complex experiments. NOVA AIR works seamlessly with the full range of over 65 Fourier educational sensors and provides the means to use them outdoors for a variety of activities. NOVA AIR also includes an internal rechargeable battery that lasts up to 4 working hours and can be charged via a standard mini-USB connector, which also serves as a backup communication interface when the battery is discharged.

Key Features:

- Plug n' Play
  (sensor auto-detect function & simple pairing process)
- Sampling rate of 10,000 samples / second
- Range of up to 10 meters
- Memory capacity of 100,000 samples
- Works concurrently withFourier's NOVA LINK data logger
- Tri-color LED indicating active device connection and sampling status
- Supported platforms:
  - WIN-PC (XP/7)
  - iOS

(Some features will be supported during 2012)

Available on the iPhone
App Store

MultiLab Software Features

- Graph, video, table and meter displays
- Multimedia reports of your experiment with data, video, audio and text files
- Online or recorded video stream of the actual experiment
- Recording audio comments
- Online data transfer and display of data in real-time
- Math analysis functions

MiLAB Software for iOS Features

- Advanced data analysis tools
- Multiple displays: graphs, tables and meters
- Real-time data measurement via the built-in accelerometer or by connecting any of Fourier's over 65 sensors to NOVA AIR™

Technical Specification

- Wireless (Bluetooth) data logger
- Mini USB (Type B) communication port
- 1 Mini DIN sensor port for 1 sensor (in Auto Detect mode or Manual Define mode)
- Sampling resolution: 12-bit
- Sampling rate: Up to 10,000 samples / second
- Memory capacity of 100K samples
- Auto ID for all Fourier sensors
- Works with all Fourier sensors
- Tri-color LED indicating:
  - Device connection
  - Sampling
  - Battery status
- Powered by a rechargeable battery or by USB port
- Battery life: up to 4 hours
- Supported platforms:
  - Windows XP, 7
  - iOS (iPad/iPhone/iPod Touch)
- Weight: 56g

FOURIER education