

The logo for NOVA 5000, with 'NOVA' in large orange letters and '5000' in smaller orange letters above it, all enclosed in an orange oval.

## A Portable Computerized Science Lab

The award-winning NOVA5000™ is a portable, standalone data logger that runs on Windows CE and provides students with a wide range of PC-like functionality. The NOVA5000 comes bundled with the full version of the MultiLab data analysis software and is compatible with Fourier's over 65 sensors, enabling students to perform hundreds of scientific experiments in Biology, Chemistry, Physics and Environmental Science.

Among the features that make the NOVA5000 unique are its 7" touch screen, the ability to collect data from up to eight sensors simultaneously, connectivity with a projector and printer and more! Whether in the lab or in the field, the NOVA5000 ensures that students enjoy and experience science.

### MultiLab™ 3.0 for NOVA5000

With MultiLab, students can collect and view data from multiple sensors simultaneously, analyze the data and then present the results in a number of formats including: graphs, meters and tables. MultiLab also provides students with the ability to analyze their data with sophisticated analysis tools such as curve fitting, statistics, and both integral and derivative, using analysis wizards. MultiLab™ for NOVA5000 also features a user-friendly Graphical User Interface (GUI) with finger-touch navigation, eliminating the need for a stylus.

### Experience Science!

[www.FourierEdu.com](http://www.FourierEdu.com)

### Key Features

- MultiLab 3.0 data analysis software
- Collect data from up to 8 sensors simultaneously
- Compatible with over 65 sensors to perform hundreds of experiments
- Extensive library of science workbooks and curriculum support
- Printer & projector connectivity
- Wi-Fi access for additional resources
- Allows students to create Office-compatible lab reports
- Multimedia synchronized presentation of video and data from the sensors
- Interactive periodic table and simulation of scientific experiments



P/N: NOVAEX-7



## Technical Specification

### Inputs:

- Auto ID mode: Up to 4 simultaneous analog inputs or 4 digital inputs with automatic sensor identification
- 8 Inputs mode: Up to 8 simultaneous analog inputs or 4 simultaneous digital inputs and 4 analog inputs

### Outputs:

- 4 Digital Control Outputs
- Sampling Resolution: 12-bit
- Sampling Rate up to 10 ksps

### Features:

- Processor: Marvell PXA320, 624 MHz
- Operating System: CE.NET 5.0
- Screen Resolution: 7" touchscreen (800 x 480 pxl, 65,000 colors, 400 cd/m2)
- RAM: 128 MB
- Flash memory: 1GB
- Graphic Accelerator: Built-in 2D
- Ethernet port: 10/100
- Integrated WiFi: 802.11 b/g
- USB ports: 3
- Power Supply: AC Adapter/Battery charger; battery pack (up to 8 hours)
- USB Cable: 5 ft (1.5 m), included
- Dimensions: 9.33" x 7.32" x 1.7"
- Weight with battery: 2.4 lbs (1,090 gr.)
- Standards Compliance: CE & FCC

### Fourier Education

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## Bundled Software

### Science Applications:

- MultiLab data collection and analysis software
- Virtual Lab
- Interactive Periodic Table
- Unit Converter
- CalcCE scientific and statistical calculator

### Productivity Tools:

- SoftMaker Office Suite: Word, Excel & PowerPoint compatible
- Internet Explorer 6.0
- Windows Media Player 9
- NOVANotes (for audio, sketch and note taking)
- WordPad
- Flash 7 plug-in
- Printer drivers (for printers with PCL support)
- PrintBoy printing application
- Microsoft Transcriber with character recognition
- Sound Recorder
- NOVAPaint

### Optional Software Applications:

- Inspiration concept mapping software
- Portrait-4 scientific graphic calculator
- Inside Math
- LanSchool
- Java plug-in

### Optional Accessories:

- NovaScope Digital Microscope
- Mini USB keyboard and/or Mini USB mouse
- NOVA5000 carrying case
- Cable adapter for Vernier sensors

