

The best way
to learn science

fourier

NOVA⁵⁰⁰⁰

21st Century Science Learning Solution



“Right away we could tell
that the **Nova5000**
met the needs of our students.”

Kerri Neubauer, Coordinator of Instructional Technology for Alvin Independent School District, Texas

Experience Science Fourier customized solutions expand learning horizons

- Rugged, student data logging device with a 7" 800x480 color touch screen
- Marvell PXA320, 624 MHz processor for instant on and 8 hour battery life
- Full connectivity with integrated WiFi 802.11 b/g
- Built-in Fourier MultiLogPRO data logger with supporting math and science curriculum software
- Flexible design with Ethernet, USB and SD card ports
- Light and portable 9.33" x 7.32" x 1.7" and weighing 2.4 lbs (1,090 gr.)
- Runs on Windows CE 5.0 with low total cost of ownership
- Comprehensive software content proven to increase student performance
- Develops 21st century skills in lab report writing, problem solving in science, math and more



Nova5000 Measurable Added Value

FEATURE	BENEFIT	VALUE RANGE
Data Logging Technology		
Built-in science data logger	<ul style="list-style-type: none"> Built-in data logger with 4-port interface, connecting up to 8 probes simultaneously Creates an instant and portable classroom 1:1 environment Provides inherently less expensive probes than USB-based probes 	\$300. \$50-\$100 per student in science lab only setting
Science data acquisition & analysis software	<ul style="list-style-type: none"> Supports Nova5000's data logging functionality Meets many U.S. states requirements for the use of computer data acquisition for science Validates improved academic results through data acquisition research with instant analysis 	\$100 - \$200
Hardware Features & Advantages		
Touch screen	<ul style="list-style-type: none"> Enables use of educational applications requiring drawing, writing or annotation Increases efficiency via a pointing device rather than a mouse 	\$100 - \$400
Lower power consumption	<ul style="list-style-type: none"> Responds to the No. 1 requested function: Longer battery life Ensures the 8 hour minimum acceptable standard for full school day operation 	\$100 - \$400
Batteries included in extended warranty	<ul style="list-style-type: none"> Answers the problem of battery wear and tear after 1-2 years of heavy school use Reduces battery costs by half (compared to a standard laptop) 	\$200 - \$500
Instant On/Off	<ul style="list-style-type: none"> Amplifies instructional time Expands battery run time 	\$10 - \$1,524 (based on 21 cents per productive class minute, 10 min. a day), depending on allocation for increased student learning time
Platform & Bundled Software		
Windows CE 5.0 Operating System & Utilities	<ul style="list-style-type: none"> Runs Windows CE platform, reducing support needs, running costs, and learning curves Cost incorporates enhancements such as PDF viewer, Paint, Calculator, Image viewer NZip Compression Utility provides compatibility with WinZip files 	
SoftMaker productivity software	<ul style="list-style-type: none"> Offers high quality Office-like productivity software, for a full day's curriculum requirements TextMaker – comprehensive word processor PlanMaker – powerful spreadsheet program 	\$0 - \$150, depending on type and licensing arrangement
Inspiration Inside Math	<ul style="list-style-type: none"> Presentations – PowerPoint like applications Leverages the widely used student application: Inspiration concept mapping software 	\$29.95
GoManage	<ul style="list-style-type: none"> Removes the need for a calculator by integrating math color graphing and calculator software Improves student learning efficiency vs. a calculator Unified project management work space 	\$100 \$29.95 (per licence)
Nova5000 Added Value		\$970 - \$3,634

Nova5000 Ordering Information

MODEL P/N	DESCRIPTION
Nova Line Model	
Nova5000SX	Data Logger Science Model - WindowsCE
Nova5000EX	Data Logger and Integrated Curriculum Model - WindowsCE
NovaMS	Middle School Probe Pack: Temp, Light, Voltage, Motion, Force, Microphone, pH, Pressure
NovaSP	Starter Probe Pack: Temp, Light, Voltage probes
Optional Software	
NovaLNS	LanSchool Teacher License
NovaJVA	Java plug-in (per system)
Nova Line Accessories	
NovaKBD	Full USB Keyboard
MiniKBD	Mini USB Keyboard
NovaCAS	Nova Carrying Case
NovaCAS-L	Nova5000 Carrying Case - Large Model
Nova4AH	Rechargeable Battery Pack (8 hours)
NovaWiFi	WiFi dongle
NovaWRT	Extended 3-year Warranty (with battery replacement)
NovaWRT-B	Extended 3-year Warranty (without battery replacement)
DT180	USB communication cable 5 ft (1.5 m)
NovaCRG	AC Adapter/Battery charger
12207	Blue Stylus (Qty 30)
12242	Yellow Stylus (Qty 30)
DT315	Nova Sensor Cable Pack

Curriculum Support Throughout the School Day

The Nova5000 data logger also includes the following tools and software to support multiple grades and curriculum areas:

Productivity tools:

SoftMaker

A full productivity suite is file and function compatible with Microsoft Word, Excel and PowerPoint respectively.



TextMaker
comprehensive word processor



PlanMaker powerful spreadsheet program



Presentations for creating multimedia presentations

GoManage Learning comprehensive management software*



Allowing teachers to easily manage, assess, and back-up student handheld work and providing productivity applications expressly designed to engage and educate K-12 children.

Inspiration concept mapping*



Inspiration gives students and educators a familiar tool for gathering information and developing ideas, helping achieve clearer thinking, better writing, and improved performance across the curriculum.

LanSchool Class Management*



LanSchool improves learning in a computer-based classroom by returning control back to the teacher by removing distractions, demonstrating skills and monitoring student progress.

NovaScope*



Light, robust, portable and multi-functional, the NovaScope is the ideal K-12 science microscope solution. Empowered by Nova5000 portable science data logger, it enables students to conduct field experimentation and explore scientific phenomena hands-on.

*Must purchase separately

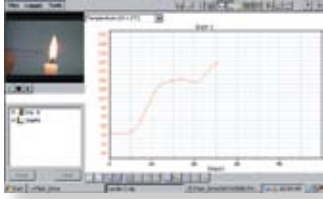


Overall this is a superb device, providing students with a useful and effective range of resources at a bargain price."

Chris Butlin, Physics Education a Journal of the Institute of Physics



Enhancing Science & Math Skills



With sophisticated data logging and probeware capabilities, thanks to the built-in MultiLogPRO and packaged MultiLab data analysis software, the Nova5000 is particularly effective in Science and Math classes. This is supported by the National Science Foundation research on the effectiveness of probeware in substantially improving student achievement.



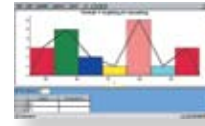
Our teachers are finding how easy it is to have students collect data, then they find out how their students feel like they own that data and are much more willing to do something with it. They get excited manipulating and analyzing information they relate to and own."

Bob Bachmeier, Yolo County Office of Education

Never before has a single solution been so Science Ready. Now schools can benefit from fully mobilized, computerized science laboratories.

- Nova5000 transforms to a portable and powerful lab station that can be moved around the school
- Data can be collected via the (built-in) award winning MultiLogPRO data logger
- Four sensor ports allow data collection from up to eight probes from Fourier's collection of more than 50 sensors
- Students can immediately understand data in multiple formats via the MultiLab analysis software
- MultiLab data analysis functions include derivatives, linear fit and integrals
- Using MultiLab's video playback capability to replay previously recorded experiments
- Students and teachers can access an extensive online library of science worksheets, curriculum books for all sciences plus and interactive Periodic Table
- Allows students to create sophisticated Lab reports in Office compatible Word and Excel documents, as well as direct printing capability
- With MultiLab students can watch video of experiments being performed while simultaneously viewing the analysis of data collected.

Portrait 4 Graphing & Calculating*



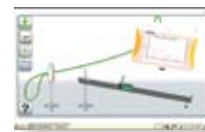
Portrait 4 provides vivid color plots and a simple interface, making Portrait 4 accessible to a broader range of learning styles.

Inside Math: Vocabulary & Concepts*



Inside Math brings a highly visual, hands-on context for connecting math vocabulary and essential concepts.

JustAsk



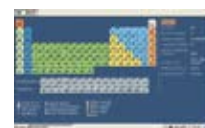
JustAsk provides interactive simulations of scientific concepts while manipulating variables and observing the respective changes.

Unit Converter



An application which converts a broad range of units commonly used in science and math.

Periodic Table



An interactive version of the Periodic Table, displaying online the detailed properties of each element.

*Must purchase separately



8:20 AM

Environmental Studies test based on this week's Earth Studies Assignment



9:00 AM

Study period to write up experiment notes in TextMaker and export analyzed data to Excel



10:00 AM

Break time with my Nova



10:20 AM

Biology Field Trip studying ecosystem of woodland life



12:20 PM

Lunch Break – Heading to the canteen to surf the NASA site with my friends



1:00 PM

Viewing other students' projects from my Nova in Human Sciences class using LanSchool



2:20 PM

Working with geometric terms using Inside Math and Portrait 4



3:00 PM

Heading home with my Nova to work on my homework



	Nova5000 SX	Nova5000 EX
	Science Cart High End Data Logger	Full 1:1 Curriculum Machine
Specifications		
Marvell PXA320 processor, 624 MHz	✓	✓
7 inch TFT LCD screen (800 x 480 pxl, 65,000 colors, 400 cd/m2)	✓	✓
Touch screen	✓	✓
128 MB RAM	✓	✓
1 GB NAND Flash memory	✓	✓
Built-in 2D Graphic Accelerator	✓	✓
RTC (Real-time Clock)	✓	✓
Dimensions	9.33" x 7.32" x 1.7"	9.33" x 7.32" x 1.7"
Weight (including battery)	2.4 lbs (1,090 gr.)	2.4 lbs (1,090 gr.)
Software Applications		
Windows CE.NET 5.0 operating system	✓	✓
Windows Media Player 9	✓	✓
Internet Explorer 6	✓	✓
Inbox (Client e-mail) supporting POP3, IMAP4	✓	✓
TextMaker 2008 (Word look alike)	✓	✓
PlanMaker 2008 (Excel look alike)	✓	✓
Presentations 2008 (PowerPoint look alike)	✓	✓
Inspiration concept mapping software*	✓	✓
Portrait-4 scientific graphic calculator*	✓	✓
GoKnow Learning Environment*	✓	✓
Inside Math*	✓	✓
LanSchool*	✓	✓
Java plug-in*	✓	✓
MultiLab data collection and analysis software	✓	✓
WordPad	✓	✓
CalcCE scientific and statistical calculator	✓	✓
Remote Desktop Connection	✓	✓
Microsoft Transcriber with character recognition	✓	✓
Flash 7 plug-in	✓	✓
Printer drivers (for printers with PCL support)	✓	✓
PrintBoy printing application	✓	✓
Sound Recorder	✓	✓
NovaScope*	✓	✓
NovaPaint	✓	✓
NovaNotes (for audio, sketch and note taking)	✓	✓
Unit Converter	✓	✓
Periodic Table	✓	✓
Hardware Peripherals		
Ethernet port 10/100	✓	✓
Integrated WiFi 802.11 b/g	✓	✓
3 USB 1.1 Host ports with support for keyboard, mouse, flash memory, etc.	✓	✓
USB Sync port (supporting ActiveSync connection)	✓	✓
SD card port	✓	✓
Earphone and Microphone ports	✓	✓
Built-in audio speaker (Mono)	✓	✓
12-bit / 8 input sensor interface (for data logging)	✓	✓
Standard VGA display port	✓	✓
Accessories		
Full USB keyboard	✓	✓
Mini USB mouse	✓	✓
Nova5000 carrying case	✓	✓
Large Nova5000 carrying case	✓	✓
8 hours rechargeable battery pack	✓	✓
WiFi dongle	✓	✓
Extended 3-year Warranty	✓	✓
USB communication cable 5 ft (1.5 m)	✓	✓
AC Adapter/Battery charger	✓	✓
CE Compliance	✓	✓

*Must purchase separately



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For more information

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