Committed to Quality

TriLog™

A triple-platform data logger, that can stand-alone, slot on to Palm™, or even be connected to the PC & MAC

The TriLog brings the power of a computer to the palm of your hand with a new data logger and computer all rolled into one. TriLog slots behind the Palm turning the data logger into a real hand held computer while still remaining an accessible and affordable triple platform data logger. Ideal for mobility and outdoor monitoring, the TriLog allows data to be analyzed in graph and table form, or even exported to a spreadsheet all in the palm of the hand.

The TriLog can connect to the following sensors: 4 - 20 mA, 0 - 5 V and stainless steel temperature sensors. Through the current and voltage sensors users are able to monitor all industrial transmitters. They can also define their own sensors and view readings in their sensors units.

The Benefits of the TriLog

- Data logging with the power of a computer in your hand
- Simultaneous collection of up to 4 inputs of data
- Automatic sensor recognition
- Keypad and LCD display for an independent, stand alone operation
- Sophisticated data analysis via the Palm's large graphical display
- Huge and powerful memory allowing for extended monitoring periods
- High sample rate ensuring real time data measurements
- High resolution
- Built in rechargeable battery
- Aesthetic and compact

TriLog is the ideal solution for mobile, outdoor simultaneous data logging applications in:

Food transportation and processing

Storage

Air conditioning and ventilation

Clean room

Warehouses

Chemical processing plants

As well as many more general data logging needs

fourier

TriLog™

TriLog brings extra power and sophistication to Fourier's family of mobile, wireless, low cost data logging solutions. The data logger has fast setup and sampling rate, is easy to use and has a huge internal memory. Whilst having the ability to connect to the PC, the data logger can stand-alone with the LCD display, enabling the user to view on-line data. By slotting onto the Palm, data can be turned into graph form, analyzed and even exported to a spreadsheet without ever having to re-connect to the computer.

The new TriLog sensors' interface enables data collection by mobile and stationary computers and when detached it can be left in a remote location to continue to log data. The TriLog is compatible with all Palm handhelds, with Universal Connectors and the Dana by AlphaSmart.

USB and serial outputs enable connection with additional software to Windows computers. The TriLog features up to four inputs, support for digital, linear and non-linear sensors. The product collects samples at rates of up to 14,000 data samples a second, or as slow as one per hour depending on your application's specific needs.

The TriLog data logger comes with two software packages, one for the PC and one for the Palm. In combination with the TriLog data logger, these software packs enable real-time sensor-based data collection and visualization. Data can be easily moved to a desktop computer via the Palm's HotSync™ procedure. Once on the desktop data can be imported into any analysis or spreadsheet application.

For the Palm ImagiProbe™ 3.0 Software
The new TriLog sensor interface enables data collection by mobile and stationery computers, and when detached it can be left in a remote location to continue to log data. For the first time, the interface features USB and serial outputs enabling it, with additional software, to connect to Windows computers.

For the PC MultiLab 1.2 Software
The TriLog also comes with the MultiLab 1.2 software a graphical analysis software, used to control and display measurements deriving from the TriLog data logger on a PC computer. MultiLab 1.2 provides real time data readings and extensive features for data display and analysis.

Specifications

TriLog

Inputs
Mode: Up to 4 simultaneous analog inputs with automatic sensor identification

Outputs
- RS-232 PC Host Interface at 38,400 bps
- USB PC Host interface at 1.1Mbps PALM m Series interface at 19,200 bps

Sampling
Capacity: Up to 256,000 memory cells
Sampling rate: Variable, 1 sample/hour to 14,000 sample/sec

Resolution 12 bit (4096 levels)

Man Machine Interface
- Full keypad operation enabling manual programming of the TriLog
- Alphanumeric LCD

Power Supply
Voltage supply: Internal rechargeable 2.4V NiMH battery, external 6V DC input

Operating Temp. Range
0°C to 50°C

Features
- Stand-alone operation - working and sampling without connection to a PC
- PC/MAC on line sampling
- Palm interface
- Automatic or manual sensor identification
- Saving and loading of last setup
- Triggering
- Automatic calibration of offset sensors
- Built-in timer for delayed logging
- Backup memory battery: 3V Lithium battery saving samples data for up to 5 years
- Automatic data recovery after power failure
- Built-in clock & calendar
- Built-in battery charger for charging the 2.4 NiMH internal battery
- Automatic shut off after 15 minutes
- Event recording
- User defined sensors

Software MultiLab 1.2, ImagiProbe 3.0

Weight 160gr

Standards Compliance
CE, FCC

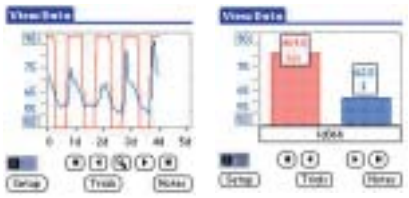
TriLog External Sensors

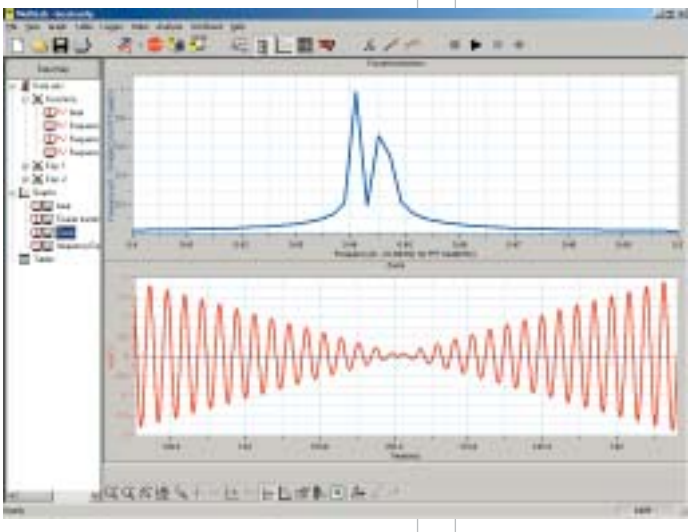
	Range	Accuracy	Resolution
Voltage	0 – 5 V	1%	1.5mV
Current	4 – 20 milliamp	1%	5µA
Temp.	-50 – 150 ºC	1%	0.1ºC

Ordering Information

Part Number	Description
IPEX01	TriLog data logger
DT210	Serial communication cable
DT207	USB mini communication cable
AD23605	220/6V AC/DC adapter
35AD06	110/6V AC/DC adapter
IMAGIPROBE3.0	ImagiProbe software
SFTMLT021	MultiLab 1.2 software
DT228V	Voltage sensor 0 – 5 V
DT234	Current sensor 4 – 20 miliamp
DT233	Temperature sensor -100 – 150 ºC
V11304	3V lithium battery
11312	2.4 NiMH internal battery

To order TriLog products and accessories:
www.fouriersystems.com





fourier