Committed to Quality

TriLog™ Specifications

A device used to connect to different sensors and measure different parameters. This device can save the measured data and also transfer it to both PC and MAC computers and to a Palm™ OS computers. The TriLog includes the following 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
Analog 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%	5µA
Current	4 – 20 milliamp	1%	1.5mV
Temp.	-100 – 150 ºC	1.5%	0.1ºC

TriLog MultiLab Software

A graphic analysis software, used to control and disply the measurements coming for the TriLog data logger on a PC computer.

Features

- Displaying TriLog measurements as Graphs, Tables and varius meters
- - Integral
  - Derivative
  - Average (smoothing)
  - Multiplication (e.g. power graph out of current and voltage graphs)
  - Linear and polinomial regressions
  - FFT
  - Curve fitting
  - Additional 30 mathematical operations - exponential, square root, log, sine, etc'
  - Student predictions
- Programs the TriLog (instead of using the TriLog keypad)
- Measurements facilitated by locating CURSORS on the graphic display
- Data search facilitated by using ZOOM on region of interest (ROI)
- Automatic COM Port recognition
- Supporting USB communication channel
- Stores selected data on disk files
- Quick export of samples data to Excel file format
- Calibration of the TriLog sensors
- Able to interface sensors from other vendors
- Running under Windows 95, 98, 2000, ME, XP, NT

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