

(mA)

DaqPRO

PH

(RH)

All in one solution for data logging and analysis

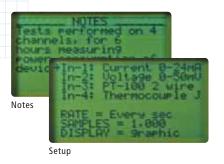


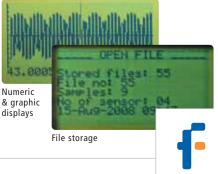
DaqPRO provides truly independent data acquisition with full setup, data display and analysis all on the DaqPRO screen.

The *DaqPRO* is a portable, battery operated data acquisition and logging system offering 16-bits, high-resolution, 8 channel data logging. The *DaqPRO* features powerful graphical display and analysis functions for measuring voltage, current and temperature. It is designed to provide a professional, compact, stand-alone low cost data logging system for a wide variety of applications.

- High-end data acquisition hand-held mobile solution
- 8 channels each capable of measuring seven popular parameters
- Setup on every port makes it viable for all industries
- Stand-alone operation: Display and keyboard for field programming and analysis (graph/table)
- Rechargeable 7.2 V battery with over 500 charging cycles
- High sampling rate up to 4,000 samples/second

- Large data storage 512 KB RAM
- Fast communication channels: USB
- Multiple logging storage of up to 100 sampling sessions
- Scales readings into meaningful engineering units e.g. bar, ppm
- Built-in clock and calendar keeps track of time and date for each data recording
- On screen text editing to annotate collected data
- Value for money less than \$130 per channel

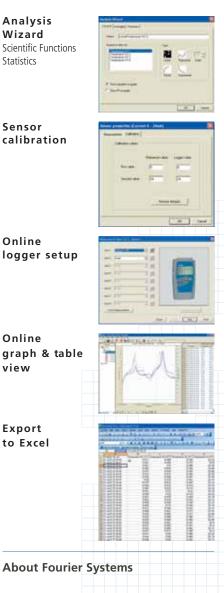






DaqLab Software

The DagPRO is then the perfect choice for remote data logging and ideal for use as a mobile measuring device in any industrial environment or for field off site monitoring.



Fourier Systems Ltd. is a worldwide leader of compact portable data logging devices and accessories for the industrial market. Fourier's robust line of advanced products is designed to automate and simplify daily data logging tasks. Beyond delivering quality products, Fourier is dedicated to providing sophisticated solutions that integrate the most advanced technologies. When it comes to professional data logging, leading companies around the world count on Fourier to provide them with the most up to date equipment.

Specifications

Inputs (DaqPRO 5300)

Selectable type for each input: 0 to 24 mA, 0 to 50 mV, 0 to 10 V, NTC, PT-100, Thermocouple, Pulse and frequency (Input 1 only)

0 to 24 mA			
Range:	0 to 24 mA		
Resolution:	4.76 μΑ		
Accuracy:	±0.5 %		
Loop impedance:	21 Ω		
0 to 50 mV			
Range:	0 to 50 mV		
Resolution:	3 μV		
Accuracy:	±0.5 %		
0.4.4014			
0 to 10 V	0 +- 101/		
Range:	0 to 10 V		
Resolution: Accuracy:	200 μV ±0.5 %		
Input impedance:	125 KΩ		
input impedance.	125 1188		
Temperature NTC			
NTC:	10/100 K Ω resistor		
Range:	-25 to 150 °C		
Resolution:	0.05 °C		
Accuracy:	±0.5 %		
Temperature PT-100			
Range:	-200 to 400 °C		
Resolution:	0.1 °C (7 mΩ)		
Accuracy:	-200 to -50 ±0.5 % 50 to 400 ±0.5 %		
	-50 to 50 ±0.5 %		
The DagPRO offers up to 8 PT-10			
PT-100 3 wire channels			
Temperature Thermocouple .	J		
Range:	-200 to 1200 °C		
Resolution:	0.1 °C (1 μV)		
Accuracy:	-200 to -50 ±0.5 %		
	50 to 1,200 ±0.5 %		
	-50 to 50 ±0.5 °C		
Cold junction compensation error:	±0.3 °C		
Temperature Thermocouple K			
Range:	-250 to 1,200 °C		
Resolution:	0.1°C (1µV)		
Accuracy:	-250 to -50 ±0.5 %		
	50 to 1,200 ±0.5 %		
	-50 to 50 ±0.5 °C		
Cold junction compensation error:	±0.3 °C		
Temperature Thermocouple			
Range: Resolution:	-200 to 400 °C 0.1 °C (1 μV)		
Accuracy:	$-200 \text{ to } -50 \pm 0.5 \%$		
Accuracy.	50 to 400 ±0.5 %		
	-50 to 50 ±0.5 °C		
Cold junction compensation error:			
Internal Temperature			
Range:	-25 to 70 °C		
Resolution:	0.1°C (1 μV)		
Accuracy:	±0.3 °C		
Pulse Counter (Input 1 only)			
Optocoupler input	0 to 65 000		
Range:	0 to 65,000 0 to 5 V		
Input signal: Input impedance:	470 Ω		
Bandwidth:	0 to 25 Hz		
Surfamilian.	5 10 25 112		
Frequency Meter (Input 1 only)			
Optocoupler input			
Range:	20 to 4,000 Hz		

Input signal: Input impedance:

General A to D Specifications Noise: Internal linearity error: Offset error:

±0.08 % of FSR 0.1 %

0 to 5 V

470 Ω

30 µV rms

Open Collector Output (Output 8) Maximum current sink: 50 mA (fuse protected) Maximum input voltage: 5 V Input impedance: 50 Q

Communication USB 1.1 compliant

Sampling Capacity: Analog sampling rate:

Channel separation:

512 KB Variable, 1 sample/hour to 4,000 samples/sec, 1 channel 16-bit 80 dB

Man Machine Interface

Analog sampling resolution:

· Full keyboard operation - enables manual programming of the logger

• Graphic LCD 64 x 128 pixels

Power Supply

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- Internal rechargeable 7.2V NiMH battery
- · Built-in battery charger
- External 9 to 12 V DC input
- · Battery life: 25 hours between charges

Operating Temperature Range 0 to 50 °C

Casing Plastic ABS box Dimensions: Weight:

182 x 100 x 28 mm 450 gr

Standards Compliance CE, FCC

DaqLAB Analysis Software

- Windows based software: 2000 SP3/2003/XP SP2/Vista Internet Explorer 5.01 or higher
- Fast data download from the DagPRO
- Data displayed in numeric or graphical display forms
- Graphical analysis tools such as Zoom and Cursors
- Storage of selected data on disk files
- Hard copy printing of the collected data
- Direct data export to EXCEL

- Setting up the DaqPRO
- · Calibrating the DaqPRO
- Defining new sensors

Accessories

• Carrying case

- Solar cell and battery for field data logging
- · Weather box complying with the IP-67 standard for protecting the DaqPRO while working in field applications

Ordering Information

P/N DB5301	Description DaqPRO data logger, user manual, carrying case, AC/DC adapter, DaqLab Windows analysis software, communication cable	
11460A	Weather box	_
To order Dag	PRO products and accessories:	



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- On-line retrieval and display of data in real-time
 - Incorporating data processing functions