

iDAQ™ Data-Logger

8 Channel, General Purpose Voltage & Pulse Input

DESCRIPTION

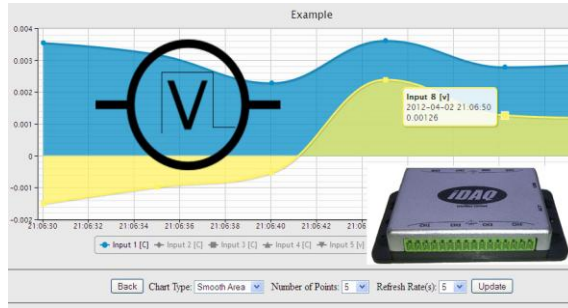
The AD-08 is a compact, four channel general purpose voltage and four channel pulse input data-logger. It offers high resolution, high accuracy readings and is compatible with a wide range of analogue and digital sensors. Digital inputs are voltage free and support open-collector, relay contacts, switch contacts, etc. Converters have both Wi-Fi and USB 2.0 interfaces, which is ideal for remote monitoring applications. The AD-08 incorporates a powerful web-server and only requires a browser to function. Units also include 256Kb of internal memory for stand-alone operation.

APPLICATIONS

- Environmental monitoring
- HVAC and refrigeration
- Smart metering
- Eco home validation
- Building management
- Heating installations
- Cold chain monitoring
- Many more...

LIVE DEMO:

Available on request



Key Features

- Measuring range $\pm 2.5V$
- High resolution ($10\mu V$) and accuracy (0.1%)
- 24-Bit Pulse Counter Inputs
- USB 2.0 and Wi-Fi Interface - ideal for remote monitoring applications
- Internal memory for stand-alone operation
- Multiple email alerts
- Compact, robust design

Specifications

	Voltage Inputs	Pulse Inputs
Input type	General Purpose Voltage	Voltage-Free Pulse Input
Number of inputs	4	4
Measuring range	$\pm 2.5V$	0 to 2^{24} (upto 1KHz)
Accuracy at 25 °C	0.1%	N/A
Input Resolution	$10\mu V$	1 Pulse
Converter resolution	22 bits	
Conversion time	72ms per channel	
Internal Memory	256Kb	
Input connectors	3.5mm Screw terminals	
Input impedance	$\gg 1 M\Omega$	
Interface	USB 2.0 and Wi-Fi	
Supply	5VDC (100mA)	
Temperature range	0 °C to 70 °C operating -20 °C to +80 °C storage	
Humidity range	20% to 90% RH, non-condensing, operating 5% to 95% RH, non-condensing, storage	
Dimensions	92mm x 51mm x 18.3mm	

Ordering Information

Part No.	Description
AD-08	AD-08 Data-Logger with Wi-Fi and USB 2.0. Measures up to 4 general purpose voltage inputs and up to 4 voltage-free pulse inputs.

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