



Multiple Channel Data Acquisition

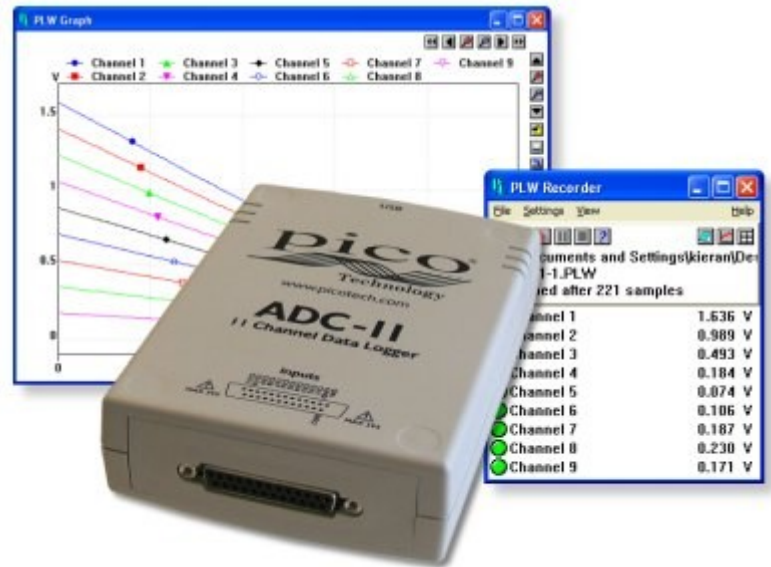
>>> ADC-11/10 and ADC-11/12



- Large number of channels
- No power supply required
- Digital output for control
- Data acquisition software included

Do you need a data acquisition device with up to 11 input channels?

The Pico ADC-11 data loggers provide you with a low cost solution to your data acquisition needs. The ADC-11 provides you with 11 channels of analog input — all in a small unit that's easy-to-use.



Resolution and Accuracy

Two different versions of the ADC-11 are available: the ADC-11/10 features 10 bit resolution, whilst the ADC-11/12 has 12 bit resolution — making it suitable for detecting very small signal changes.

With data acquisition the accuracy of your measurements is paramount which is why the ADC-11/10 is accurate to within 1 %, and the ADC-11/12 to within 0.5 %.

USB connection

The USB interface makes the ADC-11 easy to connect to any modern laptop or desktop PC and allows you to connect up to 4 units to one PC — giving you up to 44 channels of data acquisition with a very low cost per channel.

No need for power supplies or batteries

The ADC-11 is powered directly by your PC — eliminating the need for batteries or a separate power supply, and making them ideal when you need a portable data acquisition solution.

Control alarms and other devices

The ADC-11 data loggers include digital outputs — these can be used to control alarms or other devices, additionally these outputs can also be used to power sensors such as thermistors (outputs can be controlled using the programming API and cannot be controlled using PicoLog).

PicoLog Data acquisition software

This powerful, but flexible, data acquisition software allows you to collect, manipulate, analyse, and display and export data. Updates to PicoLog are available from our website, and you can download a demo of PicoLog to see just how versatile it is.

<http://www.picotech.com/demo.html>

Low cost data acquisition

If you need a data acquisition product capable of measuring a large number of channels the Pico ADC-11 data loggers offer you a low cost solution that does not require a power supply, can connect to both USB and parallel ports, and come complete with data acquisition software.



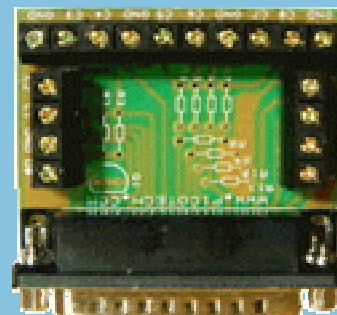
Multiple Channel Data Acquisition

>>> ADC-11/10 and ADC-11/12



Terminal block

To simplify the connection of your sensors a terminal block is available for the ADC-11. This connects to the input of the ADC-11 and provides screw terminals to allow you to quickly connect and disconnect your sensors.



Specifications	ADC-11/10	ADC-11/12
Number of channels	11	
Digital outputs (3.3 V)	2	
Sampling rate #	20kS/s	
Input type	Unipolar - single ended	
Voltage ranges	0 to 2.5 V	
Input connector	D25 Female	
AC/DC coupling	DC coupled	
Overload protection	±30 V	
Accuracy	1 %	0.5 %
Input impedance	>1 MO	
Resolution	10 bits	12 bits
Environmental	20-30 °C for quoted accuracy, 0 to 70 °C overall. 20-90 %RH	
PC connection	USB 1.1	
Power supply	Powered directly from the PC	
Supplied software	PicoScope (oscilloscope, spectrum analyser, meter), PicoLog (data logger), Drivers and examples (C, Delphi and Visual Basic, Labview, Agilent VEE and Excel) Software is supplied on CD and is compatible with Windows XP/Vista	

Sampling rates are divisible by the number of channels in use.