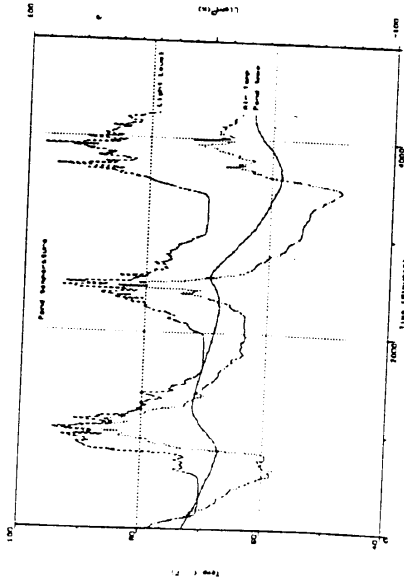


Logger Software...



- Requires: PC or AT compatible
MSDOS V2.0 or above
- Displays: CGA, EGA, VGA, Hercules
- Printers: Epson FX and LQ series,
HP Laserjet, Deskjet
- Sampling rate: 1 per ms to 1 per day
- Linear, lookup or equation scaling
- Tabulated and graphical reports
- Max 65000 samples per run



Development...

Pico Technology has many years of experience in the field of data acquisition and instrumentation. In addition to supplying standard equipment, we can also help with the development either of complete hardware and software systems or of add-on units to increase the functionality of your products.

Specification...

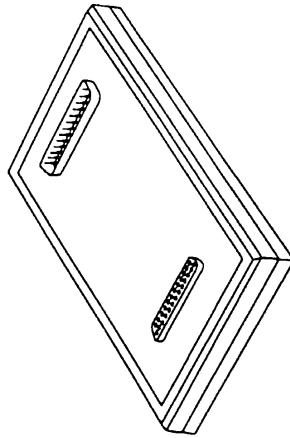
High resolution data logger for IBM PCs & compatibles

- Resolution: 16 bits+sign
2 Hz (16 bit)
- Max sampling rate: 300 Hz (8 bit)
- Inputs: 8 single-ended or
4 differential inputs
- Reference Outputs: 2 (+5V and -5V)
- Linearity: 0.003% all ranges
- Operating temperature range: 0 to 70°C
- Temperature coefficient: 33ppm/°C (typ)
- Input range: ± 2.5V
± 30V
- Over voltage protection: 1MΩ
- Input impedance: 25 way female D-type
- Output connector: 25 way male D-type
to PC serial port

292-850

ADC-16

High Resolution Data Logger



Supplied with
PicoLog
data logging software
for IBM PCs & compatibles

PICO

Technology Limited

Pico Technology Limited
Broadway House,
149-151 St Neots Road
Hardwick, Cambridge, CB3 7QJ
Tel: 0954-211716
Fax: 0954-211880

Precision data...

The ADC-16 is one of the most sensitive and accurate data acquisition products on the market. For low speed data collection applications, it is unsurpassed. Its highest resolution is 16 bits plus sign, giving a resolution of 1 part in 128,000 over the -2.5V to 2.5V range.

Easy to use...

You don't have to take the lid off your computer to use the ADC-16: it simply connects to the serial port on your computer. Because it does not fit inside your computer, it can easily be used with portables- either in the lab or in the field.

It requires no external power supply, so it is ready to use straight away. Because the ADC-16 connects using a serial cable, you can position it near to your experiment in order to minimise noise pickup.

Data collection...

The ADC-16 is supplied complete with a powerful but flexible PC data logging package and PC drivers in C and Pascal.

The logger software enables you to make full use of the features of the ADC-16: you can select the resolution for each channel from 8 to 16 bits and either single ended or differential inputs.

Each recorded sample can be the minimum, maximum or average of a number of readings collected over a period from a second to a day. Whilst collecting data, you can monitor the samples in numeric or graphical form, and can set an alarm to sound if a measured value goes out of limits.

The values collected for each sample can be scaled using linear interpolation, table lookup or a mathematical formula.

Reporting...

The logger software includes tools to build reports in text or graphical format. You can select which values appear on a particular report, and add notes to describe the data.

Tables and graphs...

Tabulated data can be displayed on the screen, printed out or written to a file in a format suitable for import into a spreadsheet, database or statistical package.

You can display graphs of one or more parameters against time, or one parameter against another.

On paper...



You can also print high quality graphs using dot matrix, Laserjet or Deskjet compatible printers