A Start/Stop button on the datalogger begins and ends the data collection process. When logging is completed the datalogger is again connected to the PC's serial port, through which data may be transferred from the device to the PC. The Configuration/Analysis software receives and automatically displays data in a spreadsheet for easy viewing. From the spread sheet, data can be copied to the Windows clipboard or exported to a file to be brought into other programs. The software also provides the ability to view and print a graphic representation of the data.

Software features include:

Analysis
- ✔ **Statistics - Min, Max, Avg., mean, standard deviation, regression**
- ✔ **Scroll**
- ✔ **Zoom**
- ✔ **View all 130,000 data points on a single graph**
- ✔ **Simultaneous view of multiple tests**
- ✔ **Step between tests**

Presentation
- ✔ **Y versus Time graphs**
- ✔ **X-Y graphs**
- ✔ **2D, 3D plots**
- ✔ **Backdrop and shading**
- ✔ **Footnotes and annotation**
- ✔ **Scaling to any linear unit of measure**

Import/Export
- ✔ **Copy/Paste to other Windows applications**
- ✔ **Save graphs in Windows metafile(.WMF) and bitmap (.BMP) formats or the proprietary format for reloading and editing.**
- ✔ **Save data in an ASCII format which is compatible with most spreadsheet, database and analysis software programs**

Specifications
Sampling Channels:
8 analog, 16 digital
ANALOG INPUTS
Range: 0-5 VDC
Accuracy: 20 mV
Resolution: 20 mV
DIGITAL INPUTS
"High" Threshold: 3.5V
"Low" Threshold: 1.0V
Input Bias: ±10µA
TEMPERATURE
Operating: 0-50°C
Storage: -20 to 70°C
Sampling Intervals:
0.01 seconds to 99 minutes
Data Storage:
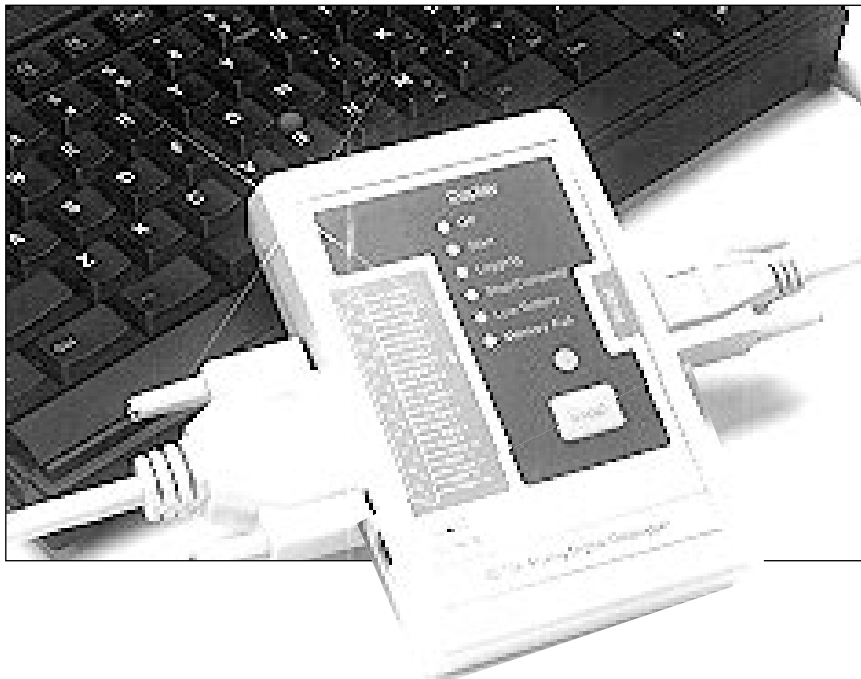130,000 Samples(16 channels of digital data make up 2 samples)
Internal Power Source: 9 V battery
External Power Source:
9 VAC adapter (included)
Weight: 227 g (8 oz.)
Dimensions: 14.7 x 9.14 x 3.3 cm (5.8" x 3.6" x 1.3")
Battery Life: 1 month alkaline, 2 months lithium
Data Memory Battery Life:
10 years
RS232 Interface:
Baud Rate: 9600 bps
Connection: 9-pin female
Data Format:
8 data, no parity, 1 stop bit

To Order *(Specify Model No.)*		
Model No.	**Price**	**Description**
AD128	**$799**	AD128 datalogger

Ordering Example: AD128 datalogger $799.
Each AD128 includes software, 9 pin to 9 pin communications cable, sampling interface cable, AC adapter, 9 volt battery, and operator's manual

Portable Handheld Datalogger

E

Model AD128
$799

✔ **8 Analog Inputs**
✔ **16 Digital Inputs**
✔ **Sample Rates from 0.01 seconds to 99 minutes**
✔ **Configuration, Analysis and Graphics Software Included**

The pocket size AD128 Datalogger records up to 24 sensor inputs simultaneously against a timer interval variable from 0.01 seconds to 99 minutes. The unit accepts 8 analog and 16 digital 0/5 volt inputs. It works unattended up to one month on a single 9 volt battery and stores up to 130,000 data points, capturing important detail without the need for a human observer.

The included Configuration/Analysis Software is an integral part of the AD128 system. Logging parameters (sample interval, run time, active channels) are configured with this Microsoft Windows based application software and then sent to the AD128 through the PC's serial port.

After configured, the logger may be disconnected from the PC and A operated in the stand-alone mode.