

Data logging with **BD 300 DATA ACQUISITION RECORDER**

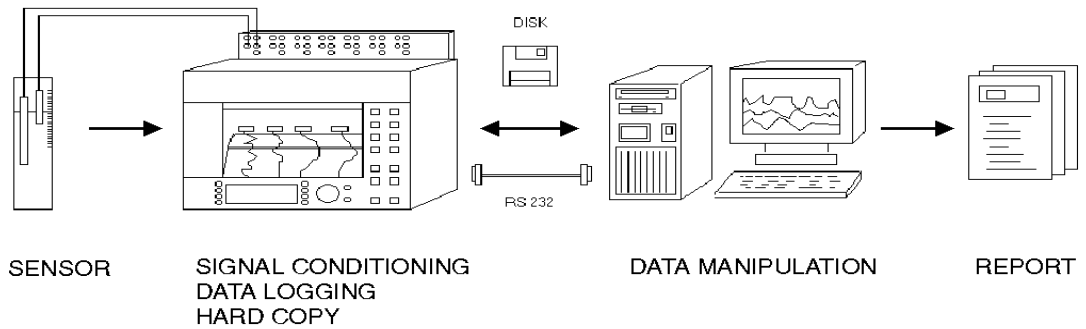


Figure 1.: A typical data logging process using the BD 300 DATA ACQUISITION RECORDER.

A sensor or other signal generating device is connected to the **BD 300 DATA ACQUISITION RECORDER**. The 20 bits ADC in the BD 300 converts the analogue data in digital data. Depending on the configuration of the instrument, the data can be collected on a 1.4 MB MS-DOS compatible diskette - in compressed form - or send via the RS-232 port to a PC. Both is also possible. All instrument settings are stored on the diskette along with the data.

In the PC the RS-232 data are written on the hard disk in ASCII format and can as such directly be read by programs like Microsoft EXCEL[®]. Data-reduction, manipulation and data visualisation is then possible in a convenient way.

Using the ChartWizard from EXCEL[®] the measurement data are converted in graphical form in a few mouse clicks only. (See figure 2.)

Reports are generated by copying the graphs to the Windows[®] 'clip board' and putting them into your Word processor document. This application note is made in the same way.

