Datalogging

The Elite can log up to 10,000 separate time-stamped data values. The data is formatted in either a comma-separated value (CSV) or ASCII tabular format.

When datalogging is enabled, the Elite logs ALL analog channels that are NOT disabled.

The data can be accessed via a direct serial connection to the RS-232 port when in Diagnostics mode (as discussed in the previous chapter) or via a modem Hyperterminal or other terminal emulation connection.

The following is the main menu and Show Data Log sub-menu.

Password: Xxxxxxxxxx

DiaLog Elite
Version: 2.3.0 01/02/04

00) Show System Config
01) Show Chan Config
02) Show System State
03) Show Chan Data
04) Show Event Log
05) Show Data Log
06) Preset Counters
07) Status Reports
08) Activate Relays
09) Site Setup

Cmd => 5

******** Data Log ********
Data Logging: enabled

1) View Data Log
2) Clear Data Log
3) Set Start/Interval

...>
Start Time: 00:00
New Start Time [00:00:00]:
Interval (mins) [0-1440]:
Format [0=ASCII/1=CSV]:

...>
Hit ESC to stop...

1,05/26/04 14:48:00,22,West-CO,20,ppm
2,05/26/04 14:48:00,21,Storage-O2,20.4,%vol
3,05/26/04 14:46:00,22,West-CO,20,ppm
4,05/26/04 14:46:00,21,Storage-O2,20.4,%vol
5,05/26/04 14:44:00,22,West-CO,19,ppm
6,05/26/04 14:44:00,21,Storage-O2,20.5,%vol
7,05/26/04 14:42:00,22,West-CO,20,ppm

1 05/26/04 15:12:00 22 West-CO 20 ppm
2 05/26/04 15:12:00 21 Storage-O2 20.5 %vol
3 05/26/04 15:10:00 22 West-CO 20 ppm
4 05/26/04 15:10:00 21 Storage-O2 20.4 %vol
5 05/26/04 15:08:00 22 West-CO 19 ppm
6 05/26/04 15:08:00 21 Storage-O2 20.4 %vol

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ASCII format example

CSV format example
The datalog can automatically or manually be uploaded to the Internet using Antx’ DiaLogOnline service. From this interface the user can select specific timeframes that are desired and then cut and paste the values into an application like Excel for further analysis and graphing.