

The Data Logger DL-103

DL-103



The **DL-103** Data Logger is an advanced recording device specifically designed for storing aerosol data for the Haz-Dust Respiratory Particulate Air Monitor, Model HD-1100. The large memory allows storage of up to 21,500 data points and a sampling range from 1 second to 21 weeks. The **DL-103** does not require system set-up or calibration. All configuration set-up is stored in nonvolatile memory. A four key user-friendly switch pad is used in conjunction with a 4 line, 20-character alphanumeric LCD display (liquid crystal display) that prompts the operator through all menus.

HD-1100 and DL-103



Data review and analysis is displayed directly on the LCD screen. DustComm Pro™ P.C. Software package is Windows™ bases and provides further data analysis with graphical time history reports. Windows application software package designed to operate with IBM and compatible PC's (requires Windows ME or higher). Data transmission from the data logger to computer is accomplished through an RS-232C communications port.

FEATURES

- Instant Readout in mg/m^3
- No system set-up required
- 21 weeks maximum storage capacity
 - Max/Min/Ave display
 - Easy to use
- Instant auto-zeroing of monitor

SPECIFICATIONS

Number of Channels: single channel

Input Voltage: 0-2 volts

Resolution: 0.1mv

Real-Time Clock: User - programmable display in days, hours, minutes and seconds format.

Recording Rime: programmable from 1 Seconds to 16 days

Sampling Rate: 1 sec, 10 sec, 1 min.

Display: 4 line, 15 character

alphanumeric LCD

Output: RS-232C, programmable baud rate of 9600

Power: 7.2V rechargeable NiMH batteries

Operating temperature: -20°C to 60°C

Storage Temperature: -20°C to 60°C

Humidity: less then 95% or non-condensing

Dimensions: 5.5 x 3.5 x 2.0 inches

Weight: 1lbs.

Ordering Information:

Orders can be placed with:

Environmental Devices Corporation

Fieldstone Industrial Park

4 Wilder Drive Bldg. 15

Plaistow, NH 03865

(603) 378-2112 Fax: (603) 378-2113

Email: Sales@hazdust.com

www.hazdust.com

DUSTCOMM PRO SOFTWARE

DustComm is a powerful and flexible Windows application software package designed for use with the Haz-Dust Particulate Monitoring Equipment.

DustComm is both communications software that enables stored project data to be downloaded to a PC, and a data manipulation tool, enabling detailed analysis and reporting of sampled data.

Spreadsheet applications

DustComm easily translates data into spreadsheet programs such as Microsoft Excel.

Data Plots

The data plots provided with DustComm enable:

- Detailed statistical analysis
- The creation of graphics and charts
- The mathematical correction of particle characteristics when aerosol significantly differs from calibration dust.

