PCME

PARTICULATE MONITORING SYSTEMS

SOFTWARE FOR ENVIRONMENTAL, LEGISLATIVE AND PROCESS CONTROL REPORTING

Dependable and secure recording of emissions and alarm data
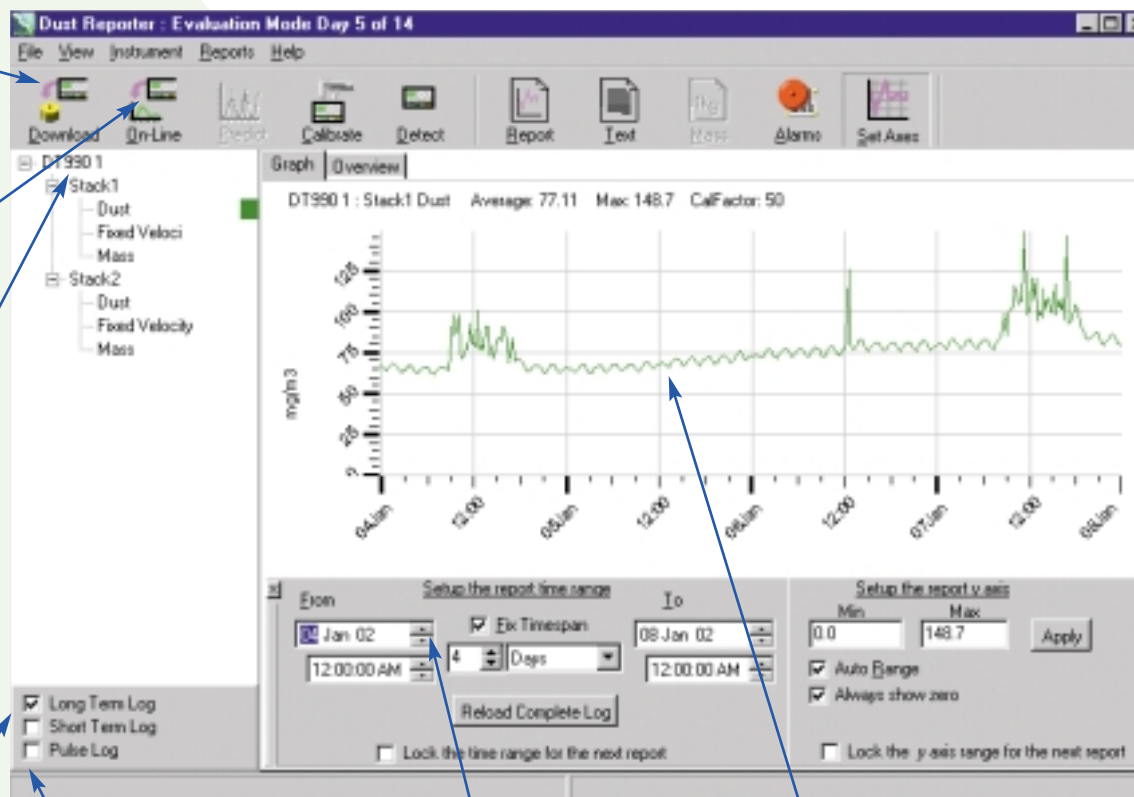
On-Line mode for process control

Navigation and selection of data from up to 64 channels

Long-term log used for emission reporting

Short-term log used for process control

Convenient report setup (e.g. for monthly reporting)
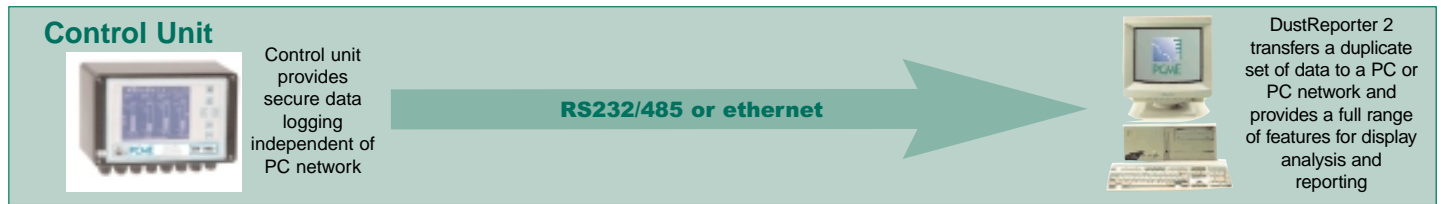
Powerful trend views with zoom and pan facilities

● Multi-user software for accessing emissions data throughout a PC network

● Analysis, display and reporting capability for emissions data and features for configuring PCME instruments

Overview

DustReporter 2 PC software is used for downloading, displaying, analysing and reporting emissions data from a PCME emission control unit. The software is suitable for running on a network of PC's, providing instantaneous and historical access to emissions data for both process and legislative reporting purposes.

Control Unit

Control unit provides secure data logging independent of PC network

RS232/485 or ethernet

DustReporter 2 transfers a duplicate set of data to a PC or PC network and provides a full range of features for display analysis and reporting

Analysis and Reporting Functions

DustReporter 2 includes a suite of standard reports for process analysis and legislative reporting:

Emissions Report

Easy generation of customized environmental and legislative reports:
- graphic format
- text format
- fix time range (eg to create monthly reports)
- change averaging period (eg to report hourly or daily averages)
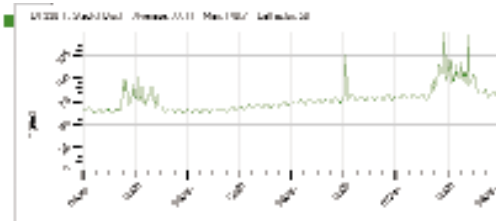
Graph Anaysis and Report
- zoom permits both easy instantaneous and long-term trend analysis of emissions
- view multiple graphs simultaneously for comparing emissions
- provides a convenient format for reporting

Text Report

Provides full listing of emission averages against time
- averaging periods are user selectable

Languages
- all reports/features are available in French, German, Spanish and English

Alarm Report

Provides reports for all alarm types:
- emission limit
- emission warning
- instrument self checks (instrument dependent)
- power alarm

Mass Report

Reports mass emissions (kg/yr) for the year to date:
- comparison predicted emissions against target emissions
- use mass emissions logged in the controller or calculate from a known velocity

Export Data
- export to csv for use with spreadsheet
- export alarm log

Instrument Download

Download

Transfers stored data from instrument to PC to provide initial data for producing emission reports:

- create archive of long term historical data (eg for legislative reporting)
- analyse short term trend data
- download alarm log
- controls data download from selection of instruments/sensors
- duplicate data remains in control unit

Alarms

Alarm/Emissions Overview

View current alarm status and emission level for each sensor

- generate audible alarm by link to PC speakers
- latch alarms
- provides a useful overview of dust emission status for plant control personnel

Alarm Report

Provides summary of alarm conditions for analysis

- displays alarm types and durations
- filter by channel
- filter by alarm type
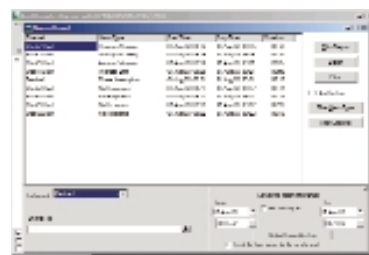
Extended Features (Optional)

On-line Graphing

- displays graph data in real time for multiple dust channels/sensors
- assists diagnosis of dust collection and/or emission problems

Autodownload

- allows set time periods to be specified for automatic initiation of download procedure (eg once per day)
- eliminates the need for operator to wait for download before analysing recent data

Predict*

Combines graphical data of bag-cleaning pulses with marker inputs from baghouse cleaning system. Permits identification of which bag row is starting to leak providing early prediction that the bag needs changing

Note: Digital input module required in addition to controller if more than one marker pulse per cleaning cycle is to be monitored.

Connectivity

The new range of PCME control units now provide an ethernet connectivity option in addition to the standard serial connection (RS232/485).   Ethernet connectivity greatly increases the range and flexibility of data transfer across your factory or offices.   Ethernet enables multiple users across LAN to access multiple control units with no limits on distance.
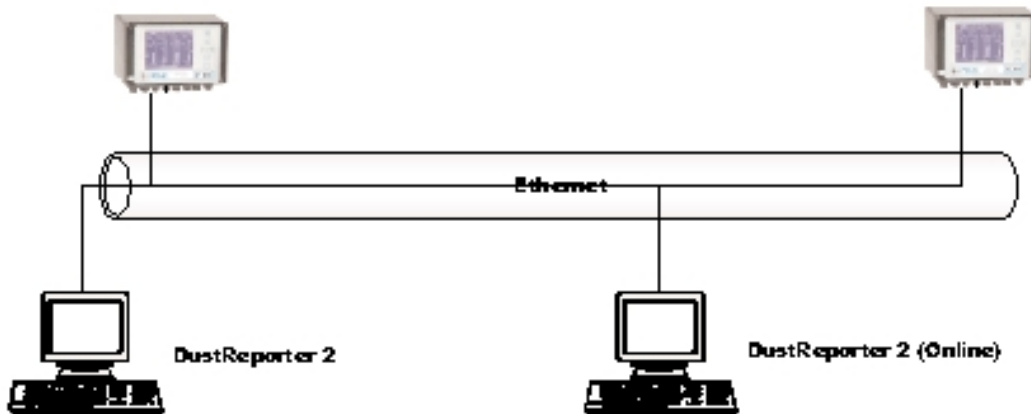
Specifications

PC Requirements

Minimum

Windows® 95, 98, ME/NT/2000/XP (note: installation problems may occur with some versions of Windows 95)

Pentium 90 or equivalent
16 MB RAM
10 MB Free HDD space
800 x 600 x 256 Colour Graphics Card

Free Serial Port
Keyboard and Mouse

Recommended

Windows® 98, 2000, NT, XP

Pentium 133 or equivalent
32 MB RAM
20 MB Free HDD space
1024 x 768 x High Colour Graphics Card
Free serial Port
Keyboard and Mouse

System Capacity

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Multiple access to logged data	No Limit
Multiple on-line access	Requires Ethernet
Number of Dust Channels	up to 64
Number of Control Units	8
Data Recording	More than 5 years
Data Security	Data is write protected Duplicate of latest data on Control Unit, Back-up directory option
Language	English, French, German or Spanish
User Licences	Authorised with run time key

Order Codes

For the standard features (download, graphing, reporting, alarm overview page and configuration*) please reference order code:

STANDARD DUSTREPORTER	DR2--**xx**SFT

where **xx** is number of user licences: **01** - 1 licence
05 - up to 5 licences
10 - up to 10 licences

For optional features please reference the following codes in addition to the standard order code:

ONLINE	DR2----OPTONLINE
AUTODOWNLOAD	DR2----OPTAUTDOWN
PREDICT*	DR2----OPTPREDICT

* Not available with the SC600/620/680 or DT270/280/770/780

About PCME

As a progressive environmental Company, PCME specialises in particulate measurement for industrial processes. With a worldwide reputation for reliability, innovation and technological excellence, the Company produces equipment for concentration, velocity and mass monitoring for regulatory, environmental and process control requirements. A dedicated team of qualified application and sales engineers is always on hand and should be consulted in the selection and usage of the most suitable equipment for any particulate application.

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