



Advanced DAS Software

ECOM Advanced DAS v1.6.6.3 Wireless system is designed specifically for use with the ECOM J2KN to make periodic monitoring a simple procedure. The software is a computerized version of the most common EPA and State protocols i.e. CTM-030, CTM-034, ASTM6522. The testing and data collection procedure is user customizable and are automated with the PC controlling the sampling times and frequencies specified by the operator. A simple folder based database is created for each combustion source, and reports are stored in Excel format.

Some specific features:

USB Communications – Plug & Play capability, no need to search for COM ports. The USB adapter, located in the analyzer, contains a flash memory with certain vital information about the analyzer. The software will detect the analyzer's USB adapter and retrieve information stored in the flash memory, such as model, serial number, communication protocol.

Custom Testing Protocols - Because testing protocols vary from region to region, the software will allow the user to create customized test protocols, specifying necessary actions, such as pre & post test verification and calibration, interference tests, stability tests, zero / span error & drift reporting, O2 correction, ramp-up / ramp-down / purge recording, measurement cycle, duration, frequency and count, etc. All of this information viewed as a set will comprise a test protocol.

Generalized Database – There is flexibility in the assignment of report details, such as sorting by State, Permit #, Equipment Name, Site Location, Equipment Type, etc. The database will also allow merging of test records from multiple technicians into one common corporate database.

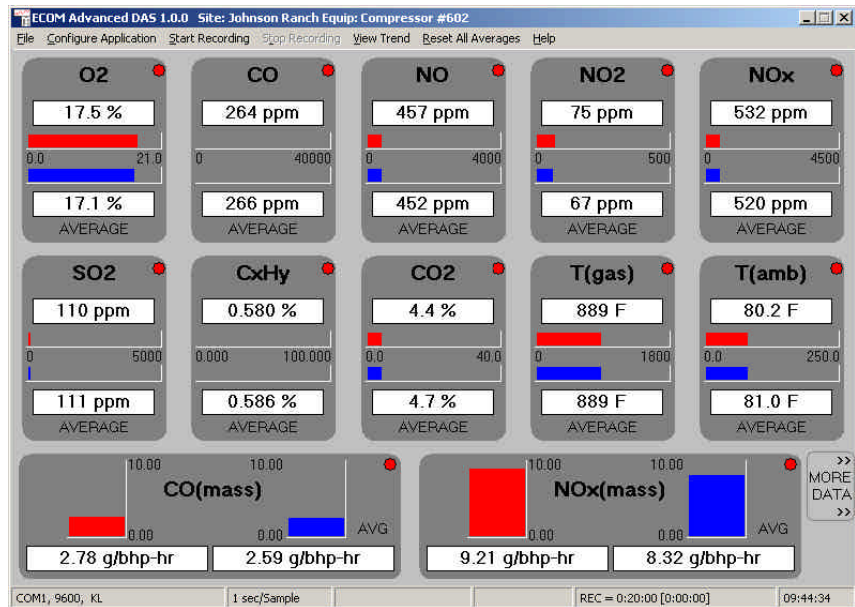
Report Customization – User will be able to tailor the content of the test results, to report on the information required by the permits. For example, The operator will be able to view all information provided by the analyzer, but if permit only requires NOX mass emission info, and not CO, then the report will only include the NOX information.

Analyzer Maintenance Log – The USB's flash memory will contain space for an analyzer maintenance log that will allow 10 entries, such as dates of general maintenance details, (i.e. Sensor replacement, etc.).

The cost of the DAS package includes installation of the necessary USB hardware and electronic flow meter. You will receive the DAS program, 15' USB cable, and complete instruction manual. Part No. PRT90003 Price \$1750.00

...Advanced Software
Designed By Field Personnel
For Field Personnel...

- Real-Time Reporting and Averaging of PPM and G/BHP-HR Values
- Enhanced Trending
- Built-In Report Generation
- User Configurable
- Designed for use with ECOM Emission Analyzer Models AC, A-PLUS, & KL



ECOM Advanced DAS Main Screen

Advanced DAS Software for ECOM Emission Analyzers

ECOM Advanced DAS Emission Analyzer Data Acquisition System and Report Generator

ECOM Advanced DAS is the latest analyzer software from ECOM America. This software provides advanced features over the current ECOM DAS including:

- Easy To Read Bar Graphs with On-Screen Averaging
- Real-time Calculation of Mass Emissions (g/bhp-hr)
- EPA Method 19 Calculations and Report Generation
- O₂ Correction and Measuring Range Adjustment
- 8 Channel Strip Chart Recorder
- User Configurable Color and Scale Settings

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Portable Emission Analyzers

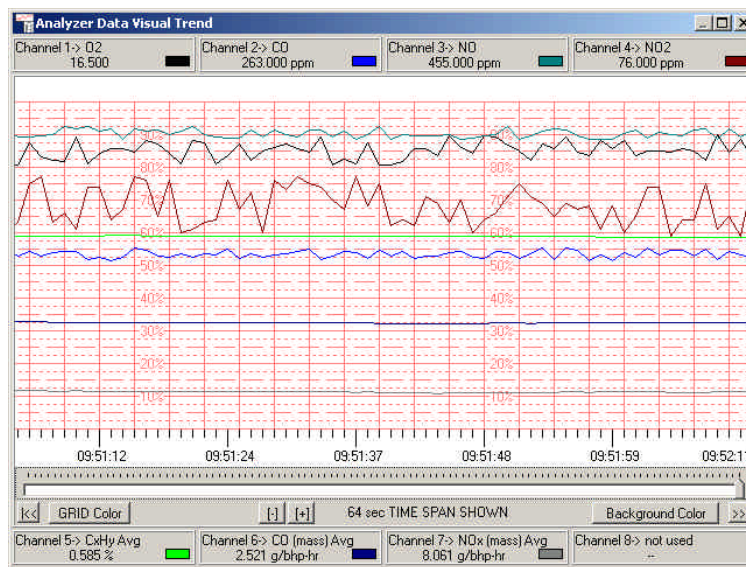
ECOM Advanced DAS Emission Analyzer Data Acquisition System and Report Generator

EPA Method-19 Calculations and Reporting with Real-time Averaging

Upon input of fuel and horsepower information, the ECOM Advanced DAS performs the basic Method-19 calculations that result in live values of CO and NO_x in *lb/hr* or *g/bhp-hr*. User configured settings allow adjustment of measurement range, O₂ correction and color schemes. Real-time display of measured PPM values, average PPM values, calculated mass emissions and average calculated mass emission over the complete testing cycle are standard features. The software also allows input of basic site and equipment information to produce a complete emission report file and database.

Enhanced Trending Capability

The trending capability of the ECOM Advanced DAS is based on an eight (8) channel simulated chart recorder. Each channel may be individually selected by the user and supports user selected pen color, and scaling. The trend will display the last 10800 data samples received from the analyzer. The user may scroll through this range of recorded data and zoom in or out to see more or less detail or to look for patterns in the signals. For the convenience of the user, all trending selections are automatically saved for re-use later.



ECOM Advanced DAS Trend Screen

System Requirements

ECOM Advanced DAS is designed to run under the Windows® 95/98SE/Me/2000/XP Home operating systems and requires a minimum 64Mb RAM, 8Mb disk space, 300Mhz Pentium processor, 800x600 SVGA display and mouse pointing device. This software is supplied on a CD with online help, a printed QuickStart Guide and Hardware Key.

Windows is a registered trademark of Microsoft Corporation.

For More Information, Contact ECOM America Today

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