

**DBGas 2004 BB260166
Gas Analysis Data Manager**

- Easy Programming & Data Transfer
- Plant, Customer, Boiler, Generator Registration & Management
- Compatible with Windows 98/2000/XP
- Easy to use
- The Ideal Tool to Manage Data Quickly & Efficiently
- Graph & Report ANY Stored data
- Logman Module for On-Line Data Logging for Long-Term Data Records Driven by a PC with a Large Display & Bar Graph

The DBGas 2004 software is designed to allow complete & efficient data management of all measurements, activities, inspections, and analysis completed by E Instruments' gas analyzers. It allows the user to maintain an **UNLIMITED** customer base filed on their PC or Laptop, which contain ALL customer, plant & boiler information.

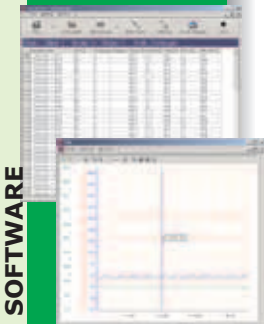
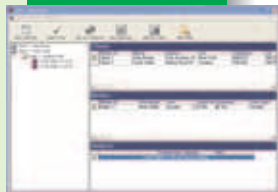
The analyzer itself can hold up to 40 different customers & 250 different tests in its internal memory. After any completed analysis, the user can transfer the stored data from their analyzer to their PC, which are automatically assigned and stored for quick & easy data recall.

The DBGas 2004 software package includes the GasConfig Windows program, which allows you to easily modify the configuration, reports, fuels, and more, on the instrument.

Industrial Combustion Analyzers

Hand-Held and Portable Flue Gas Analyzers

SOFTWARE



APPLICATIONS

Boilers

Utility & Power plants
Industrial boilers

Heaters & Dryers

Paint, Textile, Food, Paper, Rubber
Process heaters

Kilns / Furnaces

Cement, Lime, Glass, Ceramic

Stationary Internal Combustion Engines

UPS power cogeneration
Gas compression
Oil fired pumping station

Turbines

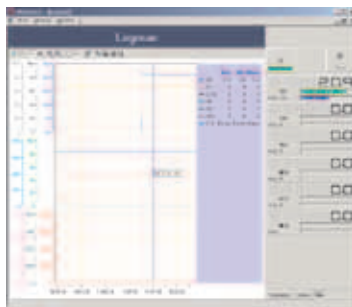
Chemical Analysis Laboratory

Fuel additive

CEM Backup & Maintenance

ISO 14000

Auditing, Compliance



**For detailed information
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Common Features (All Models)

- ⊕ Oxygen Sensor (0-25%)
- ⊕ Built-In Impact Printer (Non-Thermal)
- ⊕ Rechargeable Battery & AC Charger
- ⊕ Draft & Differential Pressure Meter
- ⊕ 2 Channel Thermometer
- ⊕ RS232 & DBCas 2004 Windows Software
- ⊕ Upgradeable using Flash Memory
- ⊕ Certificate of Calibration
- ⊕ Multi-Fuel Selection (10 Different Fuels & Oils)
- ⊕ Easy to Use, Text and Keyboard Available in your Language
- ⊕ Easy Maintenance and Replaceable Gas Sensors (Pre-Calibrated)
- ⊕ Proprietary Water Trap, Large Capacity w/ Water Overflow Protection
- ⊕ Wide Range of Probes from 7" to 5'

GreenLine 2000**Basic, Hand-Held Combustion Gas Analyzer (Up to 2 Sensors)**

- ⊕ Economical, Easy to use
- ⊕ CO Sensor
- ⊕ NO/NOx Emissions Analyzer
- ⊕ Ambient CO Monitor with Internal & External Sensor
- ⊕ Gas Leak Detector
- ⊕ Pressure Leak Detection, Decay Program
- ⊕ Ionization Current Flame Tester
- ⊕ Stores up to 250 Test Samples
- ⊕ Magnetic, Protective Rubber Boot

GreenLine 4000**Hand-Held Combustion Gas Analyzer (Up to 4 Sensors)**

- ⊕ Economical, Easy to use
- ⊕ CO Sensor
- ⊕ NO, NO₂ & SO₂ Emissions Analyzer
- ⊕ CxHy Hydrocarbons
- ⊕ Automatic Protection for CO Sensor
- ⊕ CO Monitor w/ Internal & External Sensor
- ⊕ Gas Leak Detector
- ⊕ Pressure Leak Detection, Decay Program
- ⊕ Gas Velocity with Pitot Tube
- ⊕ Temperature & Relative Humidity Probe
- ⊕ Pressure Leak Detection, Decay Program
- ⊕ Ionization Current Flame Tester
- ⊕ Stores up to 250 Test Samples
- ⊕ Graphic Display w/ Zoom and Bar Graph

GreenLine 6000**Portable Combustion Gas Analyzer (Up to 6 Sensors)**

- ⊕ Remote Control Unit w/ Built-In Printer
- ⊕ Automatic Protection for CO Sensor w/ Purge Pump
- ⊕ CO Monitor w/ Internal & External Sensor
- ⊕ Gas Velocity with Pitot Tube
- ⊕ Temperature & Relative Humidity Probe
- ⊕ Gas & Pressure Leak Detection, Decay Program
- ⊕ Long-Term Monitoring w/ Automatic Water Condensation Drain
- ⊕ Electronic Flow Meter
- ⊕ Stores up to 1000 Test Samples
- ⊕ Aux 4-20mA Inputs
- ⊕ Graphic Display w/ Zoom and Bar Graph

EMISSION



Full Compliance to EPA Protocol

SEMI-CONTINUOUS

**GreenLine 8000****Portable, Industrial Combustion & Emissions Gas Analyzer**

- ⊕ Up to 9 Sensors (Temperature Compensated)
- ⊕ NDIR Technology for CO, CO₂ and CxHy
- ⊕ Built-In Peltier Gas Cooler
- ⊕ Heated Probe & Hose w/ Electronic Temperature Control
- ⊕ Remote Control Unit w/ Built-In Printer
- ⊕ Automatic Protection for CO Sensor w/ Purge Pump
- ⊕ Ambient CO Monitor with External Probe
- ⊕ Gas Leak Detector with Probe
- ⊕ Gas Velocity with Pitot Tube
- ⊕ Temperature & Relative Humidity Probe
- ⊕ Pressure Leak Detection, Decay Program
- ⊕ Long-Term Monitoring w/ Automatic Water Condensation Drain
- ⊕ Electronic Flow Meter
- ⊕ Stores up to 9,000 Test Samples
- ⊕ Aux 4-20mA Inputs
- ⊕ Graphic Display w/ Zoom & Bar Graph

Low-NOx Ready!

GreenLine 8000 LBH**Portable, Industrial True Mass Emissions Gas Analyzer**

- ⊕ Same Capabilities of GreenLine 8000
- ⊕ Measures Stack Gas Flow & Velocity
- ⊕ Mass emissions in LB/H

Low-NOx Ready!

GreenLine 8000 "OnDemand" LOW-NOx Emissions Monitoring System

- ⊕ The Ultimate Choice for Emissions Monitoring at Remote Locations
- ⊕ Monitor True NOx (NO+NO₂) & LOW-NOx Min: (0-25 ppm) -- Max: (0-500 ppm)
- ⊕ Economical
- ⊕ Class I, Div. 2 Classification

Low-NOx Ready!

| Parameter | Range | GreenLine 2000 | GreenLine 4000 | GreenLine 6000 | GreenLine 8000 |
|------------------------------------|-----------------------|----------------|----------------|----------------|----------------|
| Sensors | | Up to 2 | Up to 4 | Up to 6 | Up to 9 |
| O ₂ | 25.0% | ■ | ■ | ■ | ■ |
| CO | 2000ppm | ■ | ■ | ■ | ■ |
| CO | 8000ppm | ■ | ■ | ■ | ■ |
| CO | 20,000ppm | n/a | ■ | ■ | ■ |
| CO ₂ (calc.) | 100.0% | ■ | ■ | ■ | ■ |
| NO | 4000ppm | ■ | ■ | ■ | ■ |
| NO ₂ (calc.) | 4000ppm | ■ | ■ | ■ | ■ |
| NO ₂ | 1000ppm | n/a | ■ | ■ | ■ |
| NO ₂ , LOW | 100ppm | n/a | n/a | ■ | ■ |
| NO ₂ , LOW | 500 ppm | n/a | n/a | ■ | ■ |
| NO ₂ , LOW | 25 ppm | n/a | n/a | ■ | ■ |
| SO ₂ | 4000ppm | n/a | ■ | ■ | ■ |
| C _x H _y | 5.00% | n/a | ■ | ■ | ■ |
| H ₂ S | 500ppm | n/a | n/a | ■ | ■ |
| CO NDIR | 15.00% | n/a | n/a | n/a | ■ |
| CO ₂ NDIR | 40.00% | n/a | n/a | n/a | ■ |
| C _x H _y NDIR | 50.000ppm | n/a | n/a | n/a | ■ |
| Efficiency | 100.0% | ■ | ■ | ■ | ■ |
| λ | 1.00-infinity | ■ | ■ | ■ | ■ |
| ΔP | 40 inH ₂ O | ■ | ■ | ■ | ■ |
| Tgas | 2,200 °F | ■ | ■ | ■ | ■ |
| Gas Vel. | 99.9 m/s | ■ | ■ | ■ | ■ |

- ⊕ CA Low-NOx Certified
- ⊕ Remote PLC Communications. PLC Link enables customers to access any measurement data from a central office while the system operates at a remote or unmanned location.
- ⊕ Complete Z-Purging of Probe Head, Sampling Line & System enclosure which allows for full system operation in Hazardous Locations.
- ⊕ Heated Probe & Sampling Line to ensure the Integrity of the Measured Gases