

The Bloodhound™ Pup

Remote Air Quality And Hazardous Gas Monitor And Data Storage System



- Detects Multiple Gases
- Long Lived And Accurate Infra Red Detection
- Rapid Detection Of Targeted Gasses
- GPRS Wireless Data Radio System
- RS422 RS485 Industrial Connectivity
- Ethernet Connectivity
- USB Connectivity
- DB9 Serial Connectivity With Multiple Baudrates
- External USB Memory Stick Storage
- Digital Processing & 4 GB Of Storage Memory
- 2 Hour Internal Battery Operation And Backup
- Universal Power Supply 50/60 Hz 120/240VAC
- 12V DC Operation
- Automatic Flow Control And Monitoring
- Blocked Line And Exhaust Sensors
- ASCII Output
- Input Event Contact Marker
- Local And / Or Remote Control
- Ruggedized Packaging
- Security Locking
- Multiple Alarms And Alarm Levels
- External Light And Siren Driver
- Set And Forget Operation
- 2-Year Warranty

The **Bloodhound™** Pup Air Quality And Hazardous Gas Monitoring System is a ruggedized monitor system that is designed to be placed into an area and used to monitor sample gasses and store the results over a long period of time for safety and air quality monitoring applications.

The **Bloodhound™** Pup can be used as a portable device or permanently installed for monitoring the workplace.

Accuracy

The system is calibrated utilizing National Institute of Standards Technology (NIST) calibration gases. Linear detection with accuracy to 1% or less. (Recalibration is recommended every 18 months.)

Audible and Visual Alerting

System supports external strobe lights, sirens, klaxons or other audible alarm systems.

Remote Monitoring And Charting

View real-time air quality data via the Internet any time, anywhere. The **Bloodhound™** Pup connects via Ethernet, satellite, GPRS wireless radio, RS422, RS485, DB9 Serial, or USB for instant access locally and world-wide.

Custom Performance

Custom software and firmware applications are available upon request.

Historical Record

Data is stored in a comma-delimited unencrypted form for compatibility with the industry standard Microsoft ACCESS data base management and EXCEL. Redundancy of data is provided through Internet storage, a USB Memory Flash Drive and an internal SD Memory Card. All data is time stamped with date and time. Samples can be stored as often as once per second to once per 2 hours.

Options for Permanent Installation

Bracket can be provided for wall-mounting.



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Bloodhound™ Pup Specifications

ELECTROCHEMICAL DETECTOR GAS OPTIONS

Acetylene	Ethylene Oxide	Methanol
Ammonia	Helium	Nitric Oxide
Carbon Dioxide	Hexane	Oxygen
Carbon Monoxide	Hydro Carbons	Ozone
Chlorine	Hydrogen	Phosphine
Chlorine Dioxide	Hydrogen Sulphide	Sulfur Dioxide
Ethanol	Methane	Hydrocarbon Based VOCs

Note: These specifications are general in nature and are contingent upon the type of gas detectors installed.

ITEM	NOMINAL	RANGE	DETAIL/NOTES
O₂ DETECTION	+/- 1%	0 – 100%	Electro-Chemical Sensor
CO₂ DETECTION	+/- 1%	0 – 5%	Non-dispersive Infrared Sensor
METHANE	+/- 1%	0-100%	Non-dispersive Infrared Sensor
DATA COLLECTION	Data application included	Application backward compatible to Windows 98	Header w/SN, Gas Readings, Internal Temp Sample Flow Rate, Sample Vacuum, Power Supply Volts, VDC, Error Number, Packet Number, Internal Case Temperature and additional data.
DATA TRANSFER	RS-232 serial	115,200 bps	Serial port speeds are configurable to allow connection to computer devices or other external hardware
	USB 2.0 type B	•	Reprogramming and communications via RS-232 or USB ports for software upgrades and future functionality
DATA BACKUP	USB	512 MB to 4 GB	Removable USB Memory Flash Drive on front panel
DISPLAY	Graphical LCD	•	Back lit transfective LCD
DATA COMPATIBILITY	File Format	•	Stored file format is compatible with Windows and Linux
	Application	•	All file formats are compatible with Microsoft Access & EXCEL
EXTERNAL ALARMS	Contact Closure	<1 Amp	Used to connect the Pup to audible/visual personnel alerting systems
I/O Ports	Multiple	Serial / Ethernet	RS-232 Serial Interface or RJ-45 Ethernet connection
RF MODEM	115 Kbs	GSM/Edge	GPRS compatible with SMA Connector; 3w/Booster available
POWER	110 VAC or 220 VAC or 12 VDC	90-260 VAC 9.5 -13.5 VDC	Protection against over voltage, under voltage, unstable frequencies, high voltage spike protection and power surges.
	Backup Battery	Up to 2 hours	Gel Cell Battery Back Up powers the Bloodhound Pup™ System in the event of an AC Power failure.
ENVIRONMENT CONTROL	•	-20° to 150° F	Internal Case Temperature Sensor and Alarm
PHYSICAL	Pelican™ reinforced Engineered Resin Case Dimensions: 13" x 12" x 6" Weight: 12 lbs		
Security	Cover can be locked to prevent tampering		

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