

Bloodhound® gas detection and logging system



12-24 VDC MAG MOTOR BEATER ASSEMBLY

The 12-24 VDC custom Mag Motor is good for environments that do not need explosion proof rating but is in need of an intrinsically safe motor design, voltage, and layout. Such as drilling and utilizing for Carbon Dioxide. The design is based on rare earth magnets for extremely high efficiency as well as low current low voltage design in extreme rugged environments.



The Cavitator

BY FAR is the best priced, best performing, lightest, safest, most reliable and easiest to set up gas extraction system on the market today. Improvements to the Cavitator system are being made constantly as customer feedback allows us to perfect this extremely versatile gas extraction system.



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iBall Instruments

Innovative Digital Solutions for Remote
Monitoring & Measurement

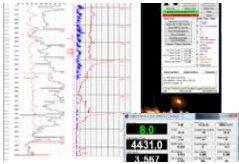
We heard you are paying too
much for your gas detection
equipment.. Why not try a
better instrument for less
or free*



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The Bloodhound is the most advanced portable mud logging gas detection system available.



Gas Chart

Gone are the days of drifting and zero adjustments due to temperature changes and the carbonizing of hot-wire elements or catalytic beads (Pellistors). Gone are the days of lugging around huge gas bottles only to run out at the most critical times!

Because of the advanced embedded DSP technology, the Bloodhound is immune to Natural Gas saturation and can detect 0 to 10,000 Gas Units without manual intervention.

Also, the Bloodhound can be set up to emulate other types of gas detection

equipment such as Hot-Wire, Flame Ionization Detection, Mass Spectrometry, and similar devices.

The system is calibrated utilizing National Institute of Standards Technology (NIST) calibration gases and is able to utilize Patent Pending technology that allows the sensors to read each other as well as themselves. With this new technology, the sensors can re-adjust themselves on the fly and correct for calibration drift and errors. The system can even shut down failed sensor(s) and rely on back up sensors.

With internal medical grade 10,000 brushless pumps included with every unit, and also immunity to water and other condensate, the reliability of the system has become second to none.

View real-time logging data via the Internet anytime, anywhere. The Bloodhound connects via Ethernet, satellite or Cellular wireless for instant access world-wide to the Bloodhound System. The Bloodhound can also connect your computer to the Internet with the Integrated Wireless System.

Data is stored locally in the Bloodhound, at the server system, and also the connected computer. Also the Data is stored in an industry standard comma-delimited form for compatibility with Well Sight Systems, MainLog and all other mud logging software via LAS and XLS files.

- ◆ C1-NC5 Gas Chromatography
- ◆ Mud Log Software Compatible
- ◆ Triple Redundancy of Data
- ◆ DSP Accuracy up to 10,000 Gas Units
- ◆ 10,000 Hour Medical Grade Brushless Pumps
- ◆ Water/Condensate/Contaminate Immunity



- ◆ Failure Rate less than 1% per year
- ◆ World-Wide Power Compatibility
- ◆ Temperature Stabilized
- ◆ Electrically Isolated Inputs
- ◆ WITS I/O Via RS-422/RS-232
- ◆ Rugged 4G Cellular Connectivity
- ◆ Multiport Embedded Ethernet Switch
- ◆ Embedded 802.11 Wireless Hotspot

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