



# STANDALONE GAS DETECTOR

With 60 years of experience and more than 3200 wells drilled in the Gulf of Mexico region, Continental Laboratories has accrued a leadership role in designing and implementing gas analysis systems for the Oil and Gas industry. Our latest generation standalone gas detection system incorporates the newest infrared technology in the industry today. Continental

Laboratories worked with industry leaders in the development of a system that could accurately read low and high levels of methane gases in environments where heavy gases are present, but still work accurately in the presence of high concentrations of constant background levels of hydrocarbon gases and oxygen depleted atmospheres.

MUD LOGGING AND



RIG INSTRUMENTATION

This latest generation of standalone gas detection technology incorporates an integrated high speed PLC controller that provides optical channel isolation and a fully integrated one second data store. Real time data can be sent via WITS Ethernet or RS 485 at a user defined interval. The technology

utilized in this system provides our customers with a stable, accurate, and virtually maintenance-free standalone gas detection system that operates superbly within the harsh environments of the Oil and Gas industry.

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## TECHNICAL SPECIFICATIONS

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- Class I, DIV II groups A,B,C and D
- Operating temperature range (-40F to +167F)
- Multiple signal outputs (4-20mA, 0-5, 0-10 volts)
- Integrated real time WITS output
- Adjustable sample rates to increase system response time
- Two-stage sample pump with isolated shock mounts
- Three stage sample filtering system to protect infrared sensor from sample contamination
- Custom enclosure designed to handle rig induced vibration, rough equipment handling, and harsh environmental conditions
- Continuous self-test automatically indicates a fault or fouled optics condition
- Internal digital read out for easy system diagnostics
- Integrated high speed PLC controller
- Optical channel isolation
- Integrated lightning protection
- Wireless option available

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## WITS OUTPUT

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- Ethernet output
- RS 485 output

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## DATA STORE

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- 6 Months (1 - second data)
- 1 Year (App log data)



Headquartered in Houston, Texas, Continental Laboratories, Inc. is a company dedicated to the advancement of software and hardware solutions for the Oil and Gas industry. All software and hardware is designed and manufactured in-house using an integrated systems approach. The combination of our long history, employees' extensive experience and desire to develop solutions for our customers enables us to create some of the most reliable, stable and functional systems in the industry.