

Aegis 400 Technical Features

- Simultaneous, real-time monitoring of up to 4 channels with a digital display.
- Three programmable alarm levels for each of channels for alerts sent to client.
- An integrated **ESD** (*Emergency Shut Down*) connected to multiple channels and set at user-defined levels.
- Mobile access allows field personnel to assess conditions before entering area.
- Operates from 120°F down to -40°F.
- Humidity 0-95% non-condensing
- Plug & play direct connect sensors;
- Accepts any 4-20 mA transmitter, 2 or 3 wires at baud rates up 38.4k;
- 4-20 mA analog and Modbus digital output (for SCADA and telemetry systems).
- 115 / 220 VAC or 24 VDC operation
- Audible alarm and strobe with reset.
- Weather proof NEMA 4X enclosure.
- 180mA for normal operation, 560mA in alarm mode.

About ALERT Plus

A registered Wyoming LLC made up of Wyoming residents who are committed to responsible stewardship of our lands, clean energy, and economic growth. The Aegis 400 is Patent Pending and was voted finalist the 2014 Colorado Clean Tech Challenge, the 2015 Propel Energy Tech Forum, winner of the 2016 Rocky Mountain Oil & Gas Awards and finalist in the 2016 Texas Oil & Gas Awards.



Aegis 400: For a world where concerns collide



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Alert Plus

EARLY WARNING GAS DETECTION
WITH AUTOMATIC SHUTDOWN



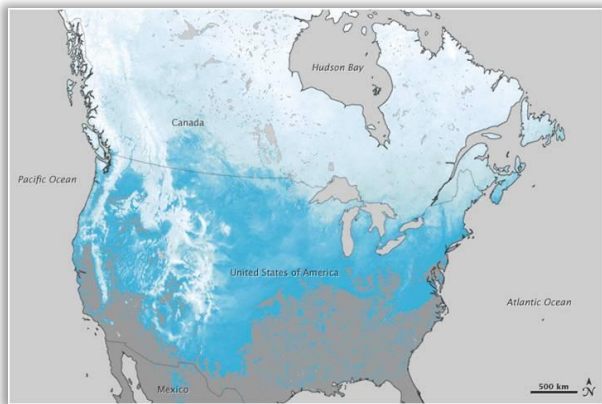
Aegis 400

Real-time gas detection and
rapid response

What's the problem?

Natural gas production takes place on both remote public lands and in populated areas.

- Undetected fugitive emissions and natural gas leaks create hazardous conditions for people, lost profits for corporations and damage to the environment.
- Despite the hard work of energy companies, accidents happen.
- Even small quantities of some of these gases may result in sickness or death to both humans and animals.
- Remote locations can delay human response by hours or days even in emergency situations.
- Many of these sites operate in cold weather climates where electronics typically fail at temperatures around zero.



Regions where temperatures fall below 0°F



The AEGIS 400

The Aegis 400 is a highly configurable, microprocessor-based, and easy to use fixed gas monitor.

- Tireless and continuous real-time detection of multiple sensors in remote sites.
- Actionable information that best optimizes field operation strategies.
- Data logging provides a response archive
- User defined alarm levels and networking capability to send warnings via cell or internet to operators.
- Automatic emergency shutdown at client-defined detection levels.
- A Class I Div 1 sensor package.
- Operates from -40°F to 120°F.
- Optional sensors: thermal, optical, Video, Photo-ionization detector for VOCs, Ground water, Ozone, with third party data logging and storage available.

Benefits of Superior Equipment

- A full-time, low-maintenance sentry operating year-round even in extreme weather climates.
- Made in the USA by RKI Instruments, maker of gas detectors since 1925.
- An on-sight 24/7 emergency response presence for both green and brown fields.
- Supervisor or lease-operator is contacted directly when alarms are triggered.
- Real-time knowledge of conditions.
- Rapid, automatic shutdown of equipment the moment hazardous circumstances are detected.
- Savings from overtime wages, the unprofitable venting of product, prevention of government fines, from swabbing wells back online and lower insurance rates.



- Safer environments for employees and the public.
- Better public opinion through prudent prevention.