

ALERT DISASTER CONTROL

Global Emergency Response and Integrated Risk Management Solutions



BW Technologies are designers and manufactures of leading edge technologies in gas-detection and monitoring equipment. Toxic, poisonous and flammable gases are a daily risk for people who work within the oil, gas and petrochemical industries. BW makes portable, hand-held instruments, as well as detectors that can be stationed as stand alone or affixed system within buildings. All of BW's products protect both personnel and the facilities where they work.

Product Table

Portables	Stand-Alone	Fixed
<p>Zero-Maintenance GasAlert-100 GasAlert Clip GasAlert Clip Extreme ToxyClip-2 ToxyClip for O2</p> <p>Single Gas Detectors GasAlert GasAlert LEL GasAlert Extreme</p> <p>Multi-Gas Detectors GasAlert Micro GasAlertMicro 5 GasAlert Max BW Defender-2</p> <p>Gas Sample Accessories GasAlert Sample Pak GasAlert Micro Sample Pak</p> <p>Heating, Ventilation and Cooling (HVAC) Systems GasProbe GasProbe CO GasProbe IAQ Indoor Air Quality Safety Palm Units</p> <p>Accessories, Spares and Options Confined Space Work Kits Instrument Carry Cases Hard Hat and Alligator Clips External Alarms Battery Charging Equipment Data logging Accessories and Spares Remote Sampling Equipment Automatic Test Stations Calibration Gases and Equipment</p>	<p>Wireless Systems Rig Rat III Rig Rat II</p> <p>Dual Point System Rig Rat III Shack Rat II</p>	<p>Fixed Controllers CR – 4000 RRJ – 4000</p> <p>Transmitters 4 – 20mA GasPoint I.S. Plant Rat CD – 420</p> <p>Zero Maintenance Transmitters 4 – 20mA RRJ Series ToxyPoint</p> <p>Fixed AC/DC Single Point Monitors Alarm Rat</p> <p>Heating, Ventilation and Cooling (HVAC) Systems GasPoint ToxyPoint CD – 420 I.S. Plant Rat Controllers Toxic and Explosive Gas Transmitters Indoor Air Quality</p> <p>Accessories, Spares and Options Remote Sensor Separation Kits GasPoint Sensor Assemblies GasPoint MODBUS Communications Modules Duct Mount Kits Flue Vessel Mount Sensor Kits Field Relay Modules Measuring Range Modules and Sensor Change Kits Remote Splash Guards, Calibration Cups and Baffles Calibration Gases and Equipment</p>

Gas Detection and Monitoring Equipment

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ALERT maintain an Integrated QHSE Management System to ISO 9001, ISO 14001 and OHSAS 18001 Standards as Certified by Det Norske Veritas

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FIXED INSTALLATION

Alarm Rat

The Alarm Rat is a complete, stand-alone, single-point monitor and alarm system. Factory tested and calibrated, the Alarm Rat is delivered ready for use--just add power. Four relays allow easy activation and control of remote alarms and other field interfaces.

Designed for user-friendly operation, the Alarm Rat features a plug-in sensor and modular electronics. Adjust measuring ranges, change gases monitored or add a sensor separation kit with ease.

With three alarm levels, be immediately warned of a gas hazard by the built-in audible alarm. Dangerous levels of gas activate three 15-amp SPDT relays, and a power failure or fault activates the 15-amp fault relay.

Features

- Three alarm levels and power failure alarm
- Four (4) 15-amp SPDT normally energized relays
- 101 dB siren & LED alarms
- AC & DC compatible, 4-20 mA output option
- Slide switches
- Failsafe calibration reset
- Accurate, reliable performance
- Hinged calibration door for non-intrusive calibration
- Lower maintenance costs
- Easy installation
- Backlit LCD



Single-Point Monitors O₂, H₂S, CO, SO₂, NH₃, CL₂, ClO, HCN, H₂, NO, NO₂

CD-420

The CD-420 4-20 mA two-wire transmitter continuously monitors for toxic gas or O₂ hazards in ambient air. Engineered with field-proven sensing and instrument technology, the CD-420 provides reliable early hazard warnings at an affordable price.

Advanced micro-power electronics deliver superior performance, eliminating false alarms and providing a direct linear output for compatibility to existing control systems. With a faster response time, the CD-420 provides reliable early hazard warnings at an affordable price. Add a duct mount kit or sensor separation kit with ease.

Features

- Direct linear 4-20 mA output with a wide supply voltage range (12 to 35 volts DC).
- Plug-in electrochemical sensor.
- Diagnostic signal transmission during system faults or sensor degradation.
- Field-selectable gases and measuring ranges.
- Power-up delay that eliminates startup alarms.
- Failure/brownout protection.



4-20 mA Transmitter CO, H₂S, NO, CL₂, NH₃, SO₂, HCN, O₂

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CR-4000

Entirely self-contained, the CR-4000 4-channel, 4-20mA, AC/DC controller provides continuous uninterrupted monitoring of toxic gases, combustibles and oxygen hazards. The CR-4000 delivers 24 VDC power to any 4-20 mA transmitter.

Application-focused, solution-orientated and competitively priced, the CR-4000 will meet your needs today and in the future. Flexibility is built-in for easy adaptation to changing requirements.

Features

- Individual continuous alphanumeric status LCD for each channel.
- Slim profile -- only 2.4 inches (6.35 cm) deep.
- Easy installation simply hang on the wall, connect the power (AC or DC) and gas transmitters.
- Local 85 dB audible alarm.
- Extensive system fault diagnostics.
- Programmable alarm levels on each channel.
- Mix, match, or change the gases monitored.
- Three common, 10-amp SPDT relays (standard).
- LOW, HIGH and fault alarms.



Four-Channel Controller 4-20 mA AC/DC

GasPoint

The self-contained GasPoint transmitter with internal alarm relays provides a 4-20 mA output signal and can be connected to any control system (DCS, PLC or controller). With advanced sensor technology and microprocessor-based operation, GasPoint provides continuous monitoring for H₂S, CO or combustibles.

GasPoint's ease of use and cost of ownership advantages make it the ideal fixed system transmitter. No junction box connection is required, and sensors can be changed at will. GasPoint will recognize the type of sensor installed, test it and reset itself to the corresponding sensor type.

Features

- Non-intrusive, one-person automatic calibration via single external pushbutton.
- Equipped with three (3) 5-amp relay contacts --two (2) alarms and one (1) fault indicator.
- Normally energized/de-energized and latching/non-latching alarm relay functions.
- Two-(2) backlit alphanumeric LCDs advise all gas hazards and operational faults, as well as instrument and sensor statuses.
- Auto zero and auto span functions.
- Backlight in low light (auto) and in alarm (auto).
- Extensive fault diagnostics.



4-20 mA Gas Transmitters H₂S, CO, Combustibles

Self-Test

- Full function sensor integrity test (daily; auto).

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Gas Detection and Monitoring Equipment

I.S. Plant Rat

The I.S. Plant Rat is engineered to provide the ultimate in protection from toxic gases and O₂ deficiency/enrichment. Its intrinsically safe design ensures maximum flexibility in volatile environments.

Powered by a two-wire loop, the I.S. Plant Rat features a direct linear output for universal compatibility. Modular plug-in components make it simple to: change gases monitored, adjust measuring ranges and add a sensor separation kit or duct mount kit.

With greater accuracy, a faster speed of response and a stable zero, the I.S. Plant Rat provides increased reliability and unrivalled early hazard warning.

Features

- Non-intrusive, one-person calibration.
- Direct linear 4-20 mA output with a wide supply voltage range (12 to 35 volts).
- Backlit LCD readout.
- Intrinsically safe--sensor and electronic modules can be changed or serviced under power.
- Exterior hinged door for non-intrusive calibration.
- Inhibited output during calibration and startup (prevents false alarms).
- Automatic reset (failure/brownout protection).
- Two-part modular enclosure.
- Lower operating, maintenance and installation costs.



4-20 mA Transmitters O₂, H₂S, CO, SO₂, NH₃, HCN, NO₂, HCL, C₂H₆O, C₂H₄O, H₂, O₃

RRJ Series

The rugged, zero-maintenance RRJ Series transmitters for H₂S or combustibles come complete with sensor and provide a 4-20 mA signal that is compatible with any 4-20 mA controller, DCS or PLC.

Features

- No calibration, no sensor replacement, no downtime.
- Encapsulated polyurethane housing.
- Quick-connect, military style plug-in wiring.
- 2-year operational life.
- High-output LED visual alarm.
- Input voltage--10 to 28 VDC for industry standard compatibility.
- Electrochemical sensor for H₂S; catalytic bead sensor for combustibles.



Zero-Maintenance Transmitters H₂S or Combustibles

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RRJ-4000

Designed for easy installation and simple operation, the 4-channel RRJ-4000 AC/DC controller is compatible with any 4-20 mA transmitter.

Application-focused, solution-orientated and competitively priced, the RRJ-4000 will meet your needs today and in the future. Flexibility is built in to easily adapt to changing requirements.

Each channel's preprogrammed switches set and/or change gas type, measuring range, alarm level, relay function and power (115/230 VAC, 24 VDC) or solar.

Features

- Rugged, stainless steel construction.
- Individual LCD readouts for each channel.
- Security key lock control.
- Optional alarm bar.
- Built-in audible alarm.
- Pushbutton reset switch.
- Four (4) LCDs – individual continuous alphanumeric status LCD for each channel.
- Four (4) common 10-amp SPDT relays.
- 85 dB local audible alarm.
- AC/DC, solar power input.
- Multifunctional external reset.
- Accepts any 4-20 mA gas transmitter.
- Optional visual alarm bar.



4-20 mA Stainless Steel AC/DC Controller

ToxyPoint

Providing 3-years of accurate, reliable CO detection, ToxyPoint is designed to reduce ownership and maintenance costs--no calibration or sensor replacement is required.

ToxyPoint features industrial technology now available to the commercial market. Powered by a two-wire loop, ToxyPoint is entirely self-contained.

Features

- Two (2) factory-set alarm levels.
- High-accuracy electrochemical sensor.
- Bright LED status indicator.
- Two-wire monitor.
- Designed to fit a single gang electrical box.
- Low power consumption (50 mA).
- Tamperproof sensor screen.

Self-Test

- Full function sensor integrity test (daily; auto).



Zero-Maintenance 4-20 mA Transmitters CO

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