



CONSPEC®

INNOVATION THAT DIGS DEEPER.

Conspec Controls

For over 50 years, Conspec has pioneered the design, development, and manufacturing of environmental and atmospheric monitoring, flame and heat detection, process controls, data communications, intrinsically safe power distribution and safety technology. With our decades of collaboration with industry leading operations, government research institutes/universities, diverse technology/corporate partnerships, we deliver innovative technology that is relied on by many of the largest corporations around the world.

Conspec products and systems come from our long history of providing fully integrated process control solutions for the underground mining, oil & gas, and power generation industries. As such, each device our ISO 9001:2015 certified product development team designs is not only rigorously tested as a stand-alone device, but also as a mission critical component for any integrated process controls system to provide long lasting performance for life safety.

In addition, our manufacturing and service processes are certified to the ISO 9001:2015 standard and also to the IEC 80079/ATEX Directive 94/9/EC standards and manufacturers of devices for hazardous environments. This ensures the best in both performance and safety in all the products we

produce, and the highest standards of quality in customer service, support and training.

We take the protection of your personnel and investments very seriously. Conspec's reputation for performance and quality is well earned. Our products, systems and services are relied upon by organizations as diverse as Intel, CNX, Praxair, Newmont, AES, Lafarge, Boeing, NIOSH, First Energy, North Jersey District Water Supply, McCain Foods, PPG Industries, General Mills, US Steel, Consol, Minera del Norte, PSI Water Technologies, Disney, X-Cel Energy, Raytheon, Las Vegas Valley Water District, Peabody Energy, Siemens, American Electric Power, Pfizer, China Shenhua Ningxia Coal Industry Group, NASA, Glencore, Dow Chemical, AC Energy Systems, along with countless others.

At Conspec, we provide not only innovation in safety, but also the best in performance, quality and cost-effectiveness in all our hardware, software and systems solutions. Our proven "systems-based" approach consistently delivers the best protection available for your personnel, property and profits.

You deserve the best in protection too.



COAL

- Longwall/Room & Pillar
- Belt Monitoring/Gates
- MSHA/IECEX/ATEX Classified Areas
- Prep Plants – Belts/Silos



MINING & TUNNELING

- Ventilation Management
- Post Blast Re-entry
- Air Quality Monitoring
- Fan Controls



INDUSTRIAL

- Power Plants
- Food/Beverages
- Chemical Processing
- Pharmaceutical
- Mineral Processing
- Pulp & Paper
- Wastewater Treatment
- Cement Production
- Steel Mills
- Confined Space Entry
- Greenhouses



OIL & GAS

- Gas Production Units
- Drilling/Fracking Well Pad Monitoring
- Gas Compressor Stations/Completions
- Refining/Petrochemical



COMMERCIAL HVAC

- Enclosed Parking Areas
- Service Stations/Auto Repair
- Boiler/Mechanical Rooms
- Paint Booths
- Service Tunnels



FIRE DETECTION

- Wastewater Treatment Plants
- Oil & Gas Refineries
- Power Plants
- Manufacturing Plants



OPTIO™ G

Reliability when every second matters.

- Supports up to 6 sensors, and multiple I/O options for a wide variety of use cases and applications
- Extensive array of power (AC/DC/POE) & communications options (RS-485/RS-232/TRUNK/Ethernet/Wi-Fi/LTE/Leaky Feeder/etc.)
- MSHA approved design for use in Coal Mining, Hard Rock Mining, Tunneling, etc.



OPTIO™ V

Reliability when every second matters.

- Designed for ventilation control (detecting CO and NO2) in enclosed parking spaces such as parking garages, vehicle maintenance facilities, warehouses, etc.
- Designed to minimize installation time with factory default settings allowing for minimal setup times and eliminating confusing configurations
- Ample room for wiring relays, 4-20mA outputs and/or Modbus communications



CX/CN SERIES

- Economically sound, simple to use "smart" gas detector for toxic, combustible, and Oxygen gas monitoring
- Long sensor life with readings that are temperature & humidity compensated
- Explosion Proof (CX Series) and NEMA 4X (CN Series)



OPTIO™ XP

Reliability when every second matters.

- Industrial multi-gas monitor and detector, featuring MIR infrared sensor technology that incorporates moisture protection /compensation
- Explosion Proof design withstands impacts, vibration & dramatic environmental changes
- Multiple built-in I/O options for a wide variety of use cases and applications



OPTIO™ AQS

Reliability when every second matters.

- Simple, easy-to-use Multi-Gas Monitor designed to provide air quality related data such as Barometric Pressure, Relative Humidity, Air Velocity, Wet/ Dry Bulb Temperature, Carbon Monoxide, Carbon Dioxide, and Oxygen
- Easily integrate with almost any existing communications system due to the wide array of power and communications support
- IECEx/ATEX/MSHA IS approved design for use in Coal Mining, Hard Rock Mining, etc.



PLC

- PLC Automation Software capable of supervisory control and data acquisition
- Affordable solution for small to mid-range operations
- Easy to use and maintain



OPTIO™ S

Reliability when every second matters.

- Supports up to 6 sensors, and multiple I/O options for a wide variety of use cases and applications
- Extensive array of power (AC/DC/POE) & communications options (RS-485/RS-232/TRUNK/ Ethernet/Wi-Fi/LTE/Leaky Feeder/etc.)
- IECEx/ATEX IS approved design for use in Coal Mining, Hard Rock Mining, Oil & Gas, etc.



OPTIO™ S

Reliability when every second matters.

- Single sensor, lightweight, budget monitor for non restricted Coal and Hard Rock Mining applications
- Simple installation, calibration & maintenance
- Designed to withstand the harshest environmental and operational conditions, with stable and reliable operation



OPTIO™ GM

Reliability when every second matters.

- Optio based ground motion monitor that can support MDT Smart MPBXs
- Extensive array of power (AC/DC/POE) & communications options (RS-485/RS-232/TRUNK/ Ethernet/Wi-Fi/LTE/Leaky Feeder/etc.)
- Pending MSHA approved design for use in Coal Mining, Hard Rock Mining, Tunneling, etc.



91154-1

- Ventilation Fan Controller Series based on OSHA and various National, State, or Local Building Codes guidelines for areas where toxic gases may accumulate and require continuous gas monitoring for ventilation
- Electricity and heating expenses can be dramatically reduced due to the ventilation fans operating only when needed as opposed to continuously running



OPTIO™ I/O

Reliability when every second matters.

- Easy to use I/O controller designed to control multiple inputs and outputs, either locally or remotely via a front-end system
- Low barrier of entry product to introduce a mine to cost savings projects such as Ventilation Management and Fan Controls
- Multiple built-in I/O, power and communications options for easy installation and maintenance



SENTURION™

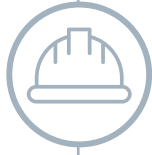
Maximizing productivity. Ensuring safety.

- Windows-based software for full supervisory control and data acquisition
- Suitable for mid to large range operations
- Easy to use and maintain with full scripting capabilities for automation and controls



GREATER PRODUCTIVITY

Conspec products increase productivity for companies through time-saving and safety-enhancing applications. Our monitoring devices measure atmospheric levels and deliver quality values in real time, allowing system controllers and operators to make quick decisions, leading to more efficient working and mine re-entry times.



SAFETY

Our products are designed to ensure safety first. Safeguarding personnel and assets leads to a safer, more efficient work site and better profitability.



LESS DOWNTIMES

Nuisance alarms can cause costly shutdowns, sometimes mine-wide. This leads to lost time and profits. Conspec's advanced alarming capabilities removes this risk, providing reliable advance warning of real hazards, in real time.



24/7 SUPPORT

When it comes to safety and work efficiency, Conspec understands that every second matters. We provide 24/7 support to our customers to ensure that your operation is never stopped or stalled.



EASE OF USE

From manufacturing, to installation, to troubleshooting, to repair and calibration - the full experience of the monitor Conspec provides for you has been specifically designed to maximize the user experience. Our UI has been designed for ease of use and maintenance, no matter who is using it.



RELIABILITY

With 55+ years experience developing monitors, Conspec can design equipment that can withstand the harshest environments. Our products can withstand almost anything, with minimal issues with power, noise, drifting, temperature, and humidity.



COST EFFECTIVE

Our new state-of-the-art monitors combine multiple features into a single all-in-one unit. This will save thousands on the costs of hardware and software. Such a wide array of options for power and communications allows our systems to run on any existing infrastructure.



SCALABLE

Conspec's monitors grow as your needs do. This enables users to start off with single gas, with the option to convert to multi gas and more custom levels as needs increase. Such versatility extends the life and usefulness of our equipment, cementing the reputation for reliability and innovation that Conspec has earned over the years.



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