



CONSPEC®

INNOVATION THAT DIGS DEEPER.

OPTIO XP



Optio XP Single/Multi Gas Monitor

For over 50 years, Conspec has pioneered the design, development, and manufacturing of environmental and atmospheric monitoring, process control and safety technology relied upon by mining, industrial, oil & gas, and commercial operations all over the world.

Conspec's NEW industrial gas detector featuring MIR infrared sensor technology incorporates moisture protection/compensation and provides a solution for harsh environments where other monitors fail, thus increasing productivity and reducing downtime.

The Optio XP has been designed and tested to withstand impacts, vibration, and dramatic environmental changes making it both rugged and reliable. The 2.6" intuitive graphical LCD, when combined with our infrared remote and on-board buttons, allow for simple installation, calibration, and maintenance.

The innovative Optio XP monitors up to six toxic and combustible sensor inputs on one transmitter, which greatly reduces upfront costs by eliminating the need for multiple detectors.

BENEFITS

- Reliable & Stable Operation
- Eliminates the Need for Multiple Single Point Detectors
- Multiple Gas Support such as CH₄, CO, H₂S, etc.
- Simple Sensor Replacement with No Need for Initial Calibration of Sensor
- Enhanced Alarming Capabilities
- Easy Menu Navigation - Icon Based
- Industry Standard Communication Protocols for Easy Integration
- Multiple I/O Options

APPLICATIONS

- Gas Production Units (GPU) - Oil & Gas
- Compressor Stations - Oil & Gas
- Power Plants
- Pulp & Paper
- Coal Handling Facilities
- Wastewater Treatment Plants
- Steel Production

OPTIO XP®
Reliability when every second matters.

SENSORS

- Up to three installed sensors per monitor
- Factory preconfigured and calibrated
- Sensor extension up to 100ft (30m)
- Plug-and-Play Electrochemical sensors:
 - CO, O₂, NO₂, NO, H₂S, and more
- NDIR sensors:
 - CO₂, CH₄

ALARMS

- 4 Custom Alarm Levels with hysteresis and hold-to-alarm times
- Sensor Fail-High and Fail-Low alarms
- Ability to associate relay outputs with alarm levels from a single sensor, or multiple sensors using logical "AND/OR"

I/O CAPABILITIES

- 4 Relay Outputs (250 VAC, 220 VDC, 2A)
- 2 4-20mA outputs

INPUT POWER OPTIONS

- 10 - 32VDC
- 100 - 240VAC 50/60Hz
- Battery Power (wireless operation)

COMMUNICATION INTERFACES

- RS-485, Conspec Wireless 900MHz/800MHz (pending) Band

COMMUNICATION PROTOCOL

- Modbus RTU (wired or wireless)

CONFIGURATION

- Using IR remote with local LCD menu
- Via MODBUS using Conspec OASIS software
Conspec Senturion SCADA

MENU & DISPLAY

- Intuitive menu using graphical LCD
- Password protected (user or admin)
- Quick info screen shows device settings
- Real-time readings of multiple sensors
- Dimmable RGB backlight
- Backlight color indicates monitor status

USER INTERFACE

- IR remote control
- 4 Local Tactile Buttons
- Conspec OASIS Windows configuration software

DIMENSIONS

- 8"x10"x6" @ 10lbs

POWER CONSUMPTION

- 2mA @ 24VDC (wired)

TEMPERATURE & HUMIDITY RANGE

- -20°C to +60°C, 0-99% RH non-condensing
- Condensation recovery algorithm for NDIR CH₄ sensors

WARRANTY

- One year standard warranty

APPROVALS

- Class I Division I Groups ABCD, NEMA 4X (Enclosure Only - Full Product Pending)
- Class I, Zone I, AEx d IIC, IP66 (Enclosure Only - Full Product Pending)
- SIL-1 (pending)

