



CONSPEC®

INNOVATION THAT DIGS DEEPER.

CX SERIES



CX Series

Conspec's CX Series is an economical choice for toxic, combustible, and Oxygen gas monitoring. The CX Series is a simple and "smart" gas detector. An industry standard 4-20mA Analog output signal can be connected to any existing PLC, DCS, or EMS system. A simplified calibration procedure allows for a quick, non-intrusive, adjustment free calibration.

Installation time and costs are significantly reduced because all transmitters are shipped factory preprogrammed, calibrated, and tested on day of shipment. Installation cost can also be significantly reduced because the units can be connected on a single 4-conductor cable via RS-485 instead of having to route individual cables to each unit.

BENEFITS

- Economical Cost & Operation
- Industry Standard Output Signal
- Supports Several Gas Sensing Technologies
- No Programming or "Burn-In Time" Required
- Gas Specific Sensors equal No False Alarms
- Maintenance Free Operation
- Non-Intrusive Calibration Procedure
- Adjustment Free, One Person Calibration Procedure

APPLICATIONS

- Automotive Facilities
- Factories/Warehouses
- Boiler/Generating Rooms
- Water Treatment Facilities
- Wastewater Treatment Plants
- Chemical Processing
- Petrochemical Exploration
- Pulp & Paper Mills
- Pharmaceutical Labs
- Telecommunication Facilities
- Semiconductor Facilities
- Power/Cogeneration Plants

KEY FEATURES

- Bright LED Status Indicators
- A Clear & Back-lit LCD Display
- Long Sensor Life
- Automatic Reset After Power Loss/Interruption
- Temperature & Humidity Compensated
- High Immunity to RFI & EMI
- One Year Limited Warranty

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AVAILABLE OPTIONS

- UP99 Hand-Held IR Programmer/Calibrator
- P9027 Enclosure Mounted Halogen Strobe
- P2063-3 Enclosure Mounted Piezo Horn
- P1643-2 Remote Alarm Unit
- P1879 Calibration Kit
- 900739 Relay Output Board
- P3000 Sample Pump

ORDERING INFORMATION

- CXxx (Select Gas Below)

01-Ammonia

02-Carbon Dioxide

03-Carbon Monoxide

04-Chlorine

05-Combustibles

06-Hydrogen

07-Hydrogen Chloride

08-Hydrogen Sulfide

09-Nitric Oxide

10-Nitrogen Dioxide

11-Oxygen

12-Ozone

13-Sulfur Dioxide

****Other Gases Consult Factory

MECHANICAL

Enclosure: Explosion Proof (FM, CSA Listed)

Enclosure Finish: Corrosion-Resistant, Polyester Powder Coated

Compliance: CL I Grps B, C, D Div 1, 2
CL II Grps E, F, G Div 1, 2
CL III NEMA 4X

Weight: Approximately 3 Pounds

Conduit Entry: One (3/4" Cable Grip)

ENVIRONMENTAL

Operating Temperature: -4°F to 140°F
(-20°C to 60°C)

Temperature Compensation: Full Temperature Range

Operating Humidity: 10% to 95% RH Non-Condensing

ELECTRICAL

Operating Voltage: 12-24VDC

Cable Requirements: 3-Conductor 18 AWG Suggested

Current Consumption: 50mA Full Scale

Output Signal: Linear 4-20mA

SYSTEM

Sensor Types: Electrochemical, Catalytic Bead, Infrared, Photo-Ionization, Thermal Conductivity

Programming: Via Optional Hand-Held IR Programmer

Modes: Two (Calibration & Normal)

Display: Two Line, 8-Character Alphanumeric LCD Display

Status LED's: Green - Power; Yellow - Fan; Red - Alarm; Red/Green - Sensor Fail

Total Alarms: Three (Alarm #1, Alarm #2, & Sensor Fail)

Alarm Set Point #1: User Defined

Alarm Set Point #2: User Defined