



Benefits

- Low Cost
- 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
- Adjustment Free, One Person Calibration Procedure
- Reliable & Stable Operation

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

Conspec's **CN50 Series** is an economical choice for toxic, combustible, and Oxygen gas monitoring. The CN50 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.

Key Features

- Bright LED Status Indicators
- Two 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

Specifications

Mechanical

Enclosure: NEMA 4X

Dimensions: 10"x8"x5"

Weight: Approximately 7 Pounds

Mounting: 4 Holes

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

Environmental

Operating Temperature: -4°F to 120°F (-20°C to 50°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: 100mA Full Scale

Output Signal: Linear 4-20mA

System

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

Keypad: 9 Button Infrared Remote Control

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

Alarm Set Point #1: User Defined

Alarm Set Point #2: User Defined

Available Options

- P2069 NO Sensor Assembly
- CX0352-03 0-500PPM CO Sensor
- P2580-8 Dust and Water Protection Adapters
- P1907 SPDT Relay Contacts
- P1879 Calibration Kits

Ordering Information

• CNxx (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

Sales Representatives & Distributors



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