

GAS DETECTION AMMONIA



GAS DETECTORS



LPT Low Power Analog Transmitter

- » Single channel
- » LED Indicator
- » NH₃ electrochemical sensor range: 0 to 500 ppm
- » 4 - 20 mA output signal
- » 2-wire loop, 3-wire VDC or 4-wire VAC



LPT-A Analog Transmitter

- » Single channel
- » NH₃ electrochemical sensor range: 0 to 500 ppm
- » One 2-amp SPDT relay, audible alarm, LCD display
- » 4 - 20 mA or 0 - 10 VDC output signal
- » 3-wire VDC or 4-wire VAC/VDC



cGas Detector

- » Up to 2 channels
- » NH₃ electrochemical sensor range: 0 to 500 ppm
- » Modbus® RS-485 or BACnet® MS/TP output signal
- » LCD display, optional 2-amp SPDT relay
- » 4-wire VAC/VDC



LPT-A-VLT Vent Line Ammonia Transmitter

- » Single channel
- » NH₃ catalytic sensor range: 0 to 3.00% vol / 30,000 ppm
- » One 2-amp SPDT relay, audible alarm, LCD display
- » 4 - 20 mA or 0 - 10 VDC output signal
- » 3-wire VDC or 4-wire VAC



CXT Explosion-Proof Transmitter

- » Single channel
- » NH₃ electrochemical sensor range: 0 to 500 ppm
- » 4 - 20 mA analog output or Modbus® RTU output
- » Three 5-amp relays (optional), audible alarm, large graphic LCD
- » Programmable heaters for low temperature operation
- » Class 1, Div 1 & 2, Groups A, B, C, D

CONTROLLERS



FCS Flexible Control System - up to 128 channels

- » Four 5-amp SPDT relays, audible alarm, resistive touch LCD colour display, extensive menu, priorities zoning and logic control, data logging, optional top mounted strobe
- » Modbus® RS-485 output or BACnet® MS/TP output for communication with a Building Automation System (BAS)
- » 90 - 240 AC line voltage power supply



QCC Quad Channel Controller - up to 4 channels

- » Three 5-amp SPDT relays, audible alarm, LCD display, extensive menu system, logic control, optional analog output with data logging, optional top mounted strobe, optional manual shut off switch
- » Modbus® RS-485 output or BACnet® MS/TP output for communication with a Building Automation System (BAS)
- » 90 - 240 AC line voltage power supply

CETCI NH₃ GAS DETECTION SYSTEMS PROVIDE:

- ✓ 24 hour continuous monitoring of Ammonia
- ✓ Visual and audible alarm response on or at 25 ppm
- ✓ Visual display of gas level readings outside the room
- ✓ Automatic triggering of the ventilation system
- ✓ Shut off equipment from outside the chiller room

INSTALL the gas detector on or near the ceiling where the gas is most likely to concentrate. Ammonia in normal air conditions is lighter than air and will rise as high as it can. Typically one gas detector covers approx. 465 m² / 5,000 ft² (size of room and location of equipment is a factor).

BUMP TESTING should be done as part of the monthly maintenance plan of the system. If a bump test fails, do a full calibration.

CALIBRATION should be done every 6 months, at minimum.

REMEMBER that constant exposure to high range levels of Ammonia and/or even one very high concentration event can poison the sensor and render it useless.

ALSO AVAILABLE:

QCC-RDM Remote Display

Provides convenient viewing of gas level readings at a secondary location

Calibration Kit

Common tools required for field calibration in a durable, plastic carrying case

QC-50 NH₃ Gas Bump Tester

Hand aspirated bulb bump test system for ammonia gas detectors

QC-100 NH₃ Gas Bump Tester

Battery powered bump test system for ammonia gas detectors

GENie NH₃ Calibration Gas System

Portable, hand held calibration instrument for ammonia gas detectors

604-940-8741

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