



SEC Non-Explosion Proof Sample Draw Gas Detector

Features

- *Modular design makes sensors interchangeable – SEC 3000 Toxic – SEC IREvolution PFC – SEC IREvolution HC*
- *Sample flow monitoring – Digital low flow alarm*
- *Stand-alone system or connect to SEC 3100/3120 Transmitters*
- *Flow housings can accommodate one sensor module*
- *Optional heater for sensor with close loop temperature control ensures accuracy in low temperature applications*
- *Power unit from 24 VDC power supply*
- *Closed loop pump control ensure flow rate is kept constant even with a variable load*
- *Two 4-20 mA outputs to monitor both pump and sensor*
- *Three indicator LEDs on cover: Power indication
Pump istatus indication
Sensor status indication*
- *Powder coated white steel construction*

Industries

- *Petrochemical*
- *Medical*
- *Semi Conductor*
- *Mining*
- *Pulp and Paper*
- *Offshore*
- *Fertilizer*
- *LNG & LPG Processing*
- *Waste Water*
- *Water Treatment*
- *Chemical*
- *Automotive*
- *Pharmaceutical*
- *Refrigeration*

Operation

The SEC Sample Draw provides the ability to pull a gas sample from a remote area, confined space, chamber and measure it remotely up to 200' distance.

The features include the following:

- *Modular design of sensor allowing for easy replacement and change of sensor board or sensor module*
- *Two independent 4-20 mA outputs to monitor both the sensor and the pump*
- *Two independent data wires to be used for calibration and communication between SEC transmitters*
- *Can be used with the SEC 3120 Transmitters*
 - *The 3120 Transmitter will monitor the pump and the sensor simultaneously*
 - *The unit can be mounted separately from the SEC 3120 Transmitter*
 - *Easy flow calibration can be done by transmitter, no use of flow meter required*
 - *Flow rate set by 'Cal Value' on transmitter, pump will automatically adjust to meet flow rate*
 - *Can be used with SEC 3100 transmitters using multiplexed data wire*
 - *Unit will normally show sensor display unless a problem is detected with the pump*
 - *Can use a magnet to switch from sensor display to pump display on 3100 for calibration*

SEC Sample Draw Gas Detector



Specifications

Detection Method:

Electrochemical, Galvanic, Infrared

Sample Method:

Sample Draw

Output (Analog):

Two 4-20 mA (source type), max 1000 Ohm load each at 24 VDC supply voltage

Output (Digital):

Two interactive interfaces available for pump and sensor on communication (white) wires

Construction:

Powder coated white steel

Accuracy:

+/- 5%

Temperature Rating:

0-50°C

Operating voltage:

18-32 VDC

Power Consumption:

6 Watt Max

Flow Rate:

Adjustable 0.2 to 2 LPM

Housing Dimensions (single sensor):

5.25 (W) x 7.40 (L) x 4.45 (H)

Weight:

5.5 lbs (2.5 kg)



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