

Air check ✓ Ex

Combustible Gas Monitor

Features

- ✓ Non-Intrusive one-man calibration
- ✓ Ex proof enclosure
- ✓ Designed for Combustible gases
- ✓ Local digital display
- ✓ 4-20 mA analog output
- ✓ Long Life LEL catalytic sensor



The *Air check ✓ Ex* is a compact gas monitoring system that's ideal for continuously monitoring toxic and corrosive gases in hazardous areas. The *Air check ✓ Ex* non-intrusive calibration allows sensor calibration in hazardous areas without area declassification. The only tool required is a small magnetic wand, designed to be carried on a technician's key chain. It also allows true one-man calibration, which significantly reduces the labor and downtime commonly associated with gas detector maintenance and service.

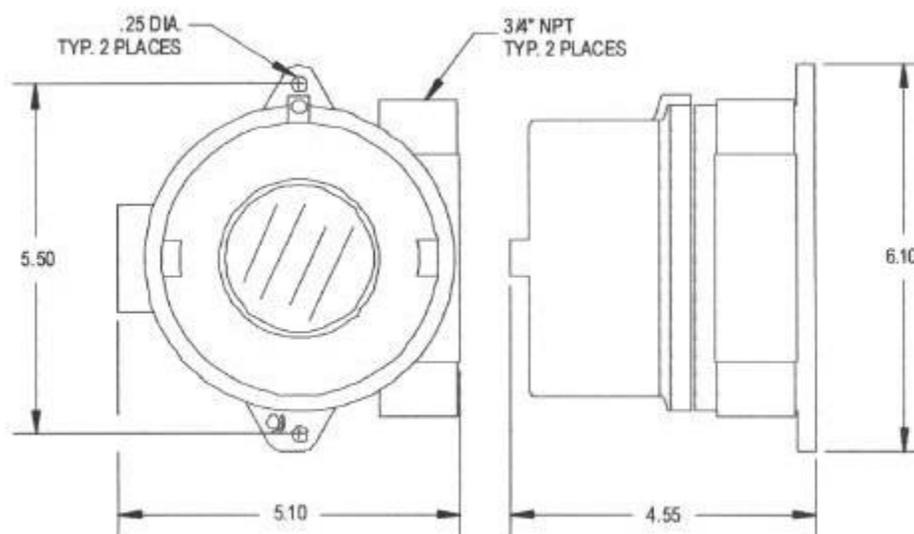
The instrument's fault supervision circuitry continuously monitors for failed sensor cell and communication line breaks. Plus sensor cell operation is continuously supervised 24-7 and when used in conjunction with distributive control systems or PLC's, provides immediate fault identification for a disconnected sensor cell.

The *Air check ✓ Ex* is housed in a Nema 4 explosion proof enclosure and is available for hydrogen gas. Capable of monitoring the % LEL hydrogen, the *Air check ✓ Ex* is a perfect monitoring solution for providing worker protection in chemical plants, refineries and other areas requiring hazardous classifications.

Self-Supervised Operation

The PureAire *Air check ✓ Ex* incorporates sophisticated electronics which, when used in conjunction with distributive control systems or PLC's enable you to quickly identify and correct major system faults. These enhanced self-diagnostic capabilities include missing cell and broken transmitter wiring. Should a system error occur, the *Air check ✓ Ex* outputs a 0mA signal to remote alarm/control systems to immediately alert control room personnel.

Physical Dimensions



Specifications

Sampling Method	Diffusion cell
Accuracy	± 10% of reading
Operating Temperature	-25 to +122F (-32 to +50C)
Display	3 ½ digit LCD digital display
Available Gases	Methane, Hydrogen LEL, Acetylene & other combustible gases available.
Sensor Type	LEL catalytic bead
Sensor Life	2 to 5 years under normal conditions
Signal Outputs	4-20 mA analog output
Power Requirements	24VDC 3 wire, (48 VDC 3 wire available for LEL and Hydrocarbon gases)
Dimensions	5.3 (W) x 6.125 (H) x 4.61 (D) inches; (135 x 156 x 117 mm)
Weight	4 lbs. (1.8 kg)
Enclosure Rating	Nema 4 explosion proof suitable for Class 1, Groups B,C, D
Options	3ea. Alarm relays: Low and High level gas alarm and System fault Modbus digital communications