

Model DM 700

Toxic gas sensors



Scrolling Full Message/Text Display



(shown as PN 967-505094-100 in SS junction box)



Applications

- Oil & Gas
- Chemical Plants
- Food & Beverage
- Steel Mills
- Pulp and Paper
- Refineries
- Wastewater Treatment Plants
- Utilities

Description

Model 700 Series Sensors are a non-intrusive “Smart” sensors designed to detect and monitor oxygen and Toxic Gases in air using electrochemical sensor technology.

The intelligent plug-in, field replaceable cell provides automatic recognition of gas type and range, and features over-sized gold-plated connections that help prevent corrosion.

The Model 700’s rugged framework includes an intrinsically safe electro-polished 316 stainless steel housing with fully encapsulated electronics and dual layer surge protection.

This innovative design virtually eliminates sensor failure due to water ingress, corrosion, vibration, and transient spikes.

A primary feature of the Model 700 is embedded intuitive software that simplifies operator interface by guiding the user through routine calibration, configuration, and fault diagnostic functions using a built-in alpha/numeric display.

The Model 700 is equipped with standard analog 4-20mA, and Modbus™ RS-485 outputs. Among its unique features is a wireless option that can be used with Detcon’s SmartWireless® product line. Additional integration options include a Remote Alarm Module (RAM) and HART.

Detcon’s toxic gas and oxygen sensors have a long shelf life and are supported by an industry-leading warranty.

Features

Failsafe User-Friendly Interface

- LED Display (With Antiglare Cover)
- Full Text Display Method
- Non-intrusive Interface
- Auto Zero/Auto Span
- Pre-emptive Fault Diagnostics

Environmentally Bulletproof

- Electropolished 316SS Construction
- 100% Epoxy Encapsulated Circuitry
- Bulletproof I/O Protection
- Water-proof, Corrosion-Proof, Vibration-Proof

Modular and Serviceable

- Modular Design
- Plug and Play Components
- Quick Thread Release Sensor Endcap (Allen Wrench only required)
- Integral Calibration Port

