

Model TP-700

Hydrogen Sulfide Sensor



Description

Model TP-700 is a non-intrusive “Smart” sensor designed to detect and monitor H₂S in air over the range of 0-100 ppm using a proprietary solid state metal oxide semiconductor technology. The plug-in, field replaceable detector features over-sized gold-plated connections that help prevent corrosion. The TP-700’s rugged framework includes an 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 TP-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 TP-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 solid state MOS H₂S gas sensor has an infinite shelf life and is supported by a 10-year conditional warranty.

Applications

- Oil and Gas Drilling Rigs
- Oil and Gas Production Sites
- Refining and Petrochemical
- Pulp and Paper Mills
- Waste Water Treatment Plants

Scrolling Full Message/Text Display



Solid State MOS

(shown as PN 967-014520-100 in SS junction box)



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 (For Sensor Replacement)
- Integral Calibration Port

