

I Model SA2-CPS (Non-Selective Combustible Gases LEL) Smart Sensor Modules



Description

Model SA2-CPS smart sensor modules are designed to detect and monitor combustible gases in ambient air. The modules consist of a target gas specific pair of catalytic pellistors and a micro-processor-based signal conditioning circuit. The signal conditioning circuits includes advanced detection analytics. Both are housed in a metallic enclosure fitted with gold plated connecting pins. The “Smart Sensor Module” is factory programmed for a specific range of sensitivity. On power up gas type, measurement range and previous zero and span calibration data points are read by the transmitter facilitating a fully automated startup.

Specifications ¹

Sensor Technology	Catalytic Pellistor	Input Voltage (Direct)	3.3V
Detection Method	Diffusion	Power Consumption	< 500 milliwatts
Sensitivity Options	0 to 100% LEL	Signal Output	I ² C Protocol
Response Time	T90 < 30s	Temperature Range	-40°C to +60°C
Accuracy	± 2% of full scale	Humidity Range	0% to 90% non-condensing
Zero Baseline Shift	< 3% per year	Pressure Range	1 atmosphere ± .1 atm
Span Drift	< 3% per year	Warranty	2 Years

¹Specifications subject to change without notice.

Order Guide

Model SA2-CPS-LEL 0-100 % LEL (2 % LEL MDL)