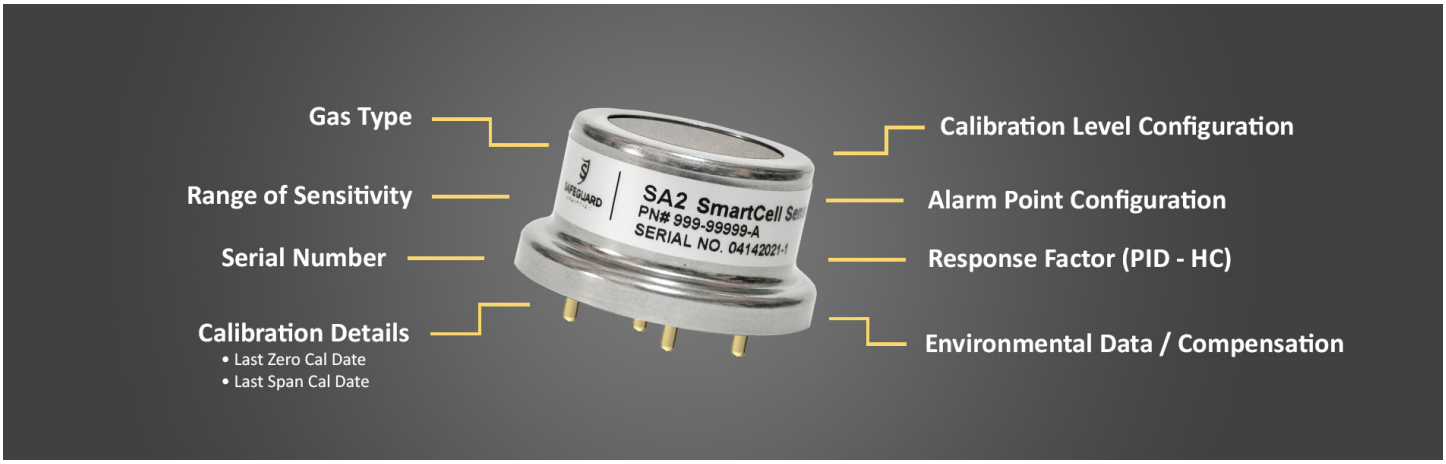
Model SA2-C3H8 (Propane)
Smart Sensor Modules



Description

Model SA2-C3H8 smart sensor modules are designed to detect and monitor propane in ambient air. The modules consist of a non-dispersive infrared gas detection sensor and a micro-processor-based signal conditioning circuit. The signal conditioning circuits includes embedded temperature compensation and 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. When used with any of Safeguard Analytics gas detection transmitters calibration may be performed on site or remotely and transported to the point of installation pre-calibrated and ready for operation.

Specifications [1]

Sensor Technology	Non-Dispersive Infrared	**Input Voltage (Direct)**	3 to 5.0 VDC
Detection Method	Diffusion	**Power Consumption**	< 50 milliwatts
Sensitivity Options	2% to 100% Volume	**Signal Output**	I²C Protocol
Response Time	T50 < 10s T90 < 30s	**Temperature Range**	-40°C to +70°C
Accuracy	± 2% of full scale	**Humidity Range**	0% to 90% non-condensing
Zero Baseline Shift	< 1% of full scale	**Pressure Range**	1 atmosphere ± .1 atm
Span Drift	< 2% signal loss per month	**Warranty**	5 Years

[1] Specifications subject to change without notice.

**Power consumption is sensor dependent*

Order Guide

Model SA2-C3H8-20K	0-2.00 % volume (0.2 % vol MDL)	**Model SA2-C3H8-100v**	0-100 % volume (1 % vol MDL)