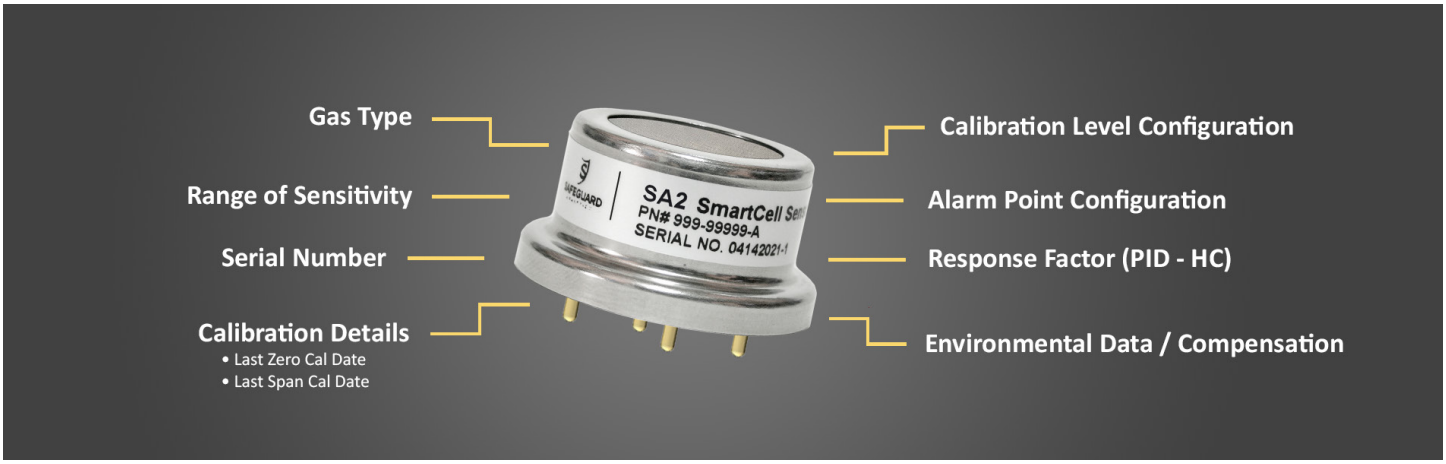
Model SA2-CH3OH (Methanol)
Smart Sensor Modules



Description

Model SA2-CH3OH smart sensor modules are designed to detect and monitor methanol gas in ambient air. The modules consist of an electrochemical gas detection sensor and a microprocessor 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	Electrochemical	**Input Voltage (Direct)**	3 to 3.6 VDC
Detection Method	Diffusion	**Power Consumption**	10 milliwatts
Sensitivity Options	0-1 ppm to 0-200 ppm	**Signal Output**	I²C Protocol
Response Time	T90 less than 90s	**Temperature Range**	-40°C to +55°C
Accuracy	± 2% of full scale	**Humidity Range**	15% to 95% non-condensing
Zero Baseline Shift	< 1% of full scale (-30°C to +50°C)	**Pressure Range**	1 atmosphere ± .1 atm
Span Drift	< 5% signal loss per month	**Warranty**	2 Years

[1] Specifications subject to change without notice.

**Power consumption is sensor dependent*

Order Guide

Model SA2-CH3OH-005	0-5.00 ppm (50 ppb MDL)	**Model SA2-CH3OH-050**	0-50 ppm (0.5 ppm MDL)
Model SA2-CH3OH-010	0-10.0 ppm (0.1 ppm MDL)	**Model SA2-CH3OH-100**	0-100 ppm (1 ppm MDL)
Model SA2-CH3OH-020	0-20.0 ppm (0.2 ppm MDL)	**Model SA2-CH3OH-200**	0-200 ppm (2 ppm MDL)