

SMART3G-C3 Gas detectors for zone 2, category 3 areas



Designed to meet with light industrial requirements, the SMART3GC-3 gas detectors allow monitoring toxic and flammable contents in areas classified as zone 3.

Ideal in light industrial environments, the SMART3G-C3 feature one man calibration via the STS/CKD calibration keypad. They can reliably monitor flammable compounds (%LEL), toxic compounds in ppm, Oxygen and CO2 contents in % by vol.

SMART3 GC-3 features:

- Standard 4-20 mA 3 wire output
- Optional 1 or 3 relay output
- Optional RS485 interface for Modbus communication.
- Ongoing system self diagnosis
- ATEX II3G (GD with optional adapter)
- SIL 1 SW & HW approved

SIL2



For optional accessories please refer to page 29.

SMART3G-C3 - FLAMMABLE GASES (Catalytic sensor)

CODE	DESCRIPTION		
S2096ME	METHANE detector, 4-20 mA, 0-100%LEL		
S2096GP	LPG detector, 4-20 mA, 0-100%LEL		
S2096PR	PROPANE detector, 4-20 mA, 0-100%LEL		
S2096BU	BUTANE detector, 4-20 mA, 0-100%LEL		
S2096VB	PETROL VAPOURS detector, 4-20 mA, 0-100% LEL		

Other gases on request

SMART3G-C3 - FLAMMABLE GASES (Infrared sensor)

CODE	DESCRIPTION		
S2623ME	METHANE detector, 4-20 mA, 0-100%LEL		
S2653PR	PROPANE detector, 4-20 mA, 0-100%LEL		
S2653BU	BUTANE detector, 4-20 mA, 0-100%LEL		
S3424R32	R32 DIFLUOROMETHANE detector, 4-20 mA, 0-100% LEL		
S3428R1234YF	R1234yf detector, 4-20 mA, 0-100% LEL		
S3432R1234ZE	R1234ze detector, 4-20 mA, 0-100% LEL		

Other gases on request

SMART3G-C3 - TOXIC GASES (Electrochemical cell)

CODE	DESCRIPTION		
S2640O2	OXYGEN (O2) detector, 0-25% Vol., 4-20 mA		
S2130CO	CARBON MONOXIDE (CO) detector, 0-500 ppm, 4-20 mA		
S2130EL	ETHYLENE (C2H4) detector, 0-200 ppm		
S3224AM	AMMONIA (NH3) detector, 0-100 ppm, 4-20 mA		
S2132AM	AMMONIA (NH3) detector, 0-200 ppm, 4-20 mA		
S2134AM	AMMONIA (NH3) detector, 0-1000 ppm, 4-20 mA		
S2136HS	HYDROGEN SULPHIDE (H2S) detector, 0-50 ppm, 4-20 mA		
S2144NO	NITRIC OXIDE (NO), 0-100 ppm, 4-20 mA		
S3592H2	HYDROGEN (H2) detector, 0-2000 ppm, 4-20mA		

Other gases on request

SMART3G-C3 – CO2 (Infrared sensor)

CODE	DESCRIPTION		
S2649CO2	CARBON DIOXIDE (CO2) detector, 0-2% Vol. , 4-20 mA		
S2650CO2	CARBON DIOXIDE (CO2) detector, 0-5% Vol. , 4-20 mA		
S2443CO2	CARBON DIOXIDE (CO2) detector, 0-30% Vol. , 4-20 mA		
S2444CO2	CARBON DIOXIDE (CO2) detector, 0-5000ppm , 4-20 mA		

SMART3G-C3 – SF6 and REFRIGERANT GASES (Infrared sensor)

CODE	DESCRIPTION		
S3942R32	R32 detector, 0-2000 ppm, 4-20mA		
S3595R134A	R134a detector, 0-2000 ppm, 4-20mA		
S3598SF6	SF6 detector, 0-2000 ppm, 4-20mA		
S3020R125	R125 detector, 0-2000 ppm, 4-20mA		
S3021R1234YF	R1234yf detector, 0-2000 ppm, 4-20mA		
S3025R1234ZE	R1234ze detector, 0-2000 ppm, 4-20mA		
S3022R404A	R404A detector, 0-2000 ppm, 4-20mA		
S3023R407A	R407A detector, 0-2000 ppm, 4-20mA		
S3918R407F	R407F detector, 0-2000 ppm, 4-20mA		
S3921R449A	R449 detector, 0-2000 ppm, 4-20mA		
S3024R507	R507 detector, 0-2000 ppm, 4-20mA		
S3016R410A	R410 detector, 0-2000 ppm, 4-20mA		
S3950R417A	R417A detector, 0-2000 ppm, 4-20mA		
S3954R448	R448 detector, 0-2000 ppm, 4-20mA		

Other gases on request

SMART3G-C3 – REFRIGERANT GASES (MOS sensor)

CODE	DESCRIPTION		
S3436RXXXX	REFRIGERANT GASES detector, 0-2000 ppm, 4-20 mA		

“XXXX” Codification will depend on the gas chosen. Please insert the name of the gas instead of “XXXX”.