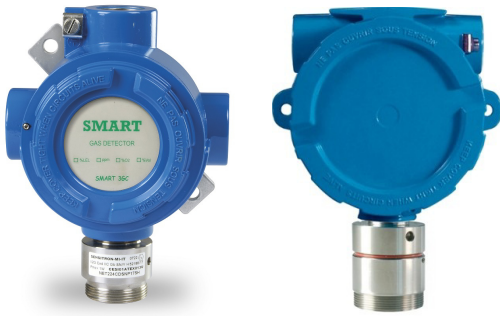


SMART3G-C2 Gas detectors for Zone 1 category 2 areas



Designed to meet with tough industrial requirements, the SMART3G-C2 allow monitoring toxic and flammable contents in industrial environments and classified areas. Ideal in industrial environments, the SMART3G-C2 feature one man calibration via the STS/CKD calibration keypad
The SMART3G-C2 detectors can reliably monitor flammable compounds (%LEL), toxic compounds and refrigerant gases in ppm, Oxygen and CO2 contents in % by vol.

SMART3G-C2 features:

- Standard 4-20 mA 3 wire output
- Optional 1 or 3 relay output
- Optional RS485 interface for Modbus communication.
- Zero tracking to maintain the zero point steady from possible drifts
- Ongoing system self diagnosis
- ATEX II2G Ex db IIC T5 Gb (standard marking) (II2 GD with optional adapter)
- SIL 1 SW e HW approved
- Wide range of sensors and detectable gases
- Wide range of accessories for installation and maintenance
- Easy sensor replacement



IEC60079-29-1



Important note:

The standard supply consists of the detector housed in the small junction box.

Should a larger enclosure be required, please find alternative solutions available at page 25.

For optional accessories please refer to page 29.

SMART3G-C2 - FLAMMABLE GAS (Catalytic sensor)

CODE	DESCRIPTION		
S2097ME	METHANE detector, 4-20 mA, 0-100% LEL		
S2097GP	LPG detector, 4-20 mA, 0-100% LEL		
S2097BU	BUTANE detector, 4-20 mA, 0-100% LEL		
S2097PR	PROPANE detector, 4-20 mA, 0-100% LEL		
S2097VB	PETROL VAPOURS detector, 4-20 mA, 0-100% LEL		
S2097AA	ACETIC ACID detector, 4-20 mA, 0-100% LEL		
S2097AT	ACETONE detector, 4-20 mA, 0-100% LEL		
S2097AB	BUTYL ACETATE detector, 4-20 mA, 0-100% LEL		
S2097BT	BUTYL ALCOHOL detector, 4-20 mA, 0-100% LEL		
S2097CE	CYCLOHEXANE detector, 4-20 mA, 0-100% LEL		
S2097CP	CYCLOPENTANE detector, 4-20 mA, 0-100% LEL		
S2097EN	ETHANE detector, 4-20 mA, 0-100% LEL		
S2097AE	ETHYL ACETATE detector, 4-20 mA, 0-100% LEL		
S2097ET	ETHYL ALCOHOL detector, 4-20 mA, 0-100% LEL		
S2097EE	ETHYL ETHER detector, 4-20mA, 0-100%LEL		
S2097EL	ETHYLENE detector, 4-20 mA, 0-100% LEL		
S2097EP	HEPTANE detector, 4-20 mA, 0-100% LEL		
S2097ES	HEXANE detector, 4-20 mA, 0-100% LEL		
S2097H2	HYDROGEN detector, 4-20 mA, 0-100% LEL		
S2097IB	ISO BUTANE detector, 4-20 mA, 0-100% LEL		
S2097IT	ISO BUTYL ALCOHOL detector, 4-20 mA, 0-100% LEL		
S2097IN	ISO PENTANE detector, 4-20 mA, 0-100% LEL		
S2097IP	ISO PROPYL ALCOHOL detector, 4-20 mA, 0-100% LEL		
S2097MT	METHYL ALCOHOL detector, 4-20 mA, 0-100% LEL		
S2097MK	METHYL ETHYL KETONE detector, 4-20 mA, 0-100% LEL		
S2097NN	NONANE detector, 4-20 mA, 0-100% LEL		

S2097PE	PENTANE detector, 4-20 mA, 0-100% LEL		
S2097PP	PROPYLENE detector, 4-20 mA, 0-100% LEL		
S2097PN	PROPYL ALCOHOL detector, 4-20 mA, 0-100% LEL		
S2097TM	TRI-METHYLBENZENE detector, 4-20 mA, 0-100% LEL		
S2097TO	TOLUENE detector, 4-20 mA, 0-100% LEL		
S2097XI	XYLENE detector, 4-20 mA, 0-100% LEL		
S2151AC	ACETYLENE detector, 4-20 mA, 0-100% LEL		
S2155AM	AMMONIA detector, 4-20 mA, 0-100% LEL		
S2155BZ	BENZENE detector, 4-20 mA, 0-100% LEL		
S2155OE	ETHYLENE OXIDE (ETO) detector, 4-20 mA, 0-100% LEL		
S2154P8	JP8 (JET PROPELLER) detector, 4-20 mA, 0-100% LEL		
S2155ST	STYRENE detector, 4-20 mA, 0-100% LEL		
S2155AV	VINYL ACETATE detector, 4-20 mA, 0-100% LEL		

Other gases on request

SMART3G-C2 - FLAMMABLE GAS (Infrared sensor)

CODE	DESCRIPTION		
S2624ME	METHANE detector, 4-20 mA, 0-100%LEL		
S2654BU	BUTANE detector, 4-20 mA, 0-100%LEL		
S2654PR	PROPANE detector, 4-20 mA, 0-100%LEL		
S2654AT	ACETONE detector, 4-20 mA, 0-100% LEL		
S2654BN	BUTADIENE detector, 4-20 mA, 0-100% LEL		
S2654CE	CYCLO HEXANE detector, 4-20 mA, 0-100% LEL		
S2654DT	DIMETHYL ETHER detector, 4-20 mA, 0-100% LEL		
S2654EN	ETHANE detector, 4-20 mA, 0-100% LEL		
S2654AE	ETHYL ACETATE detector, 4-20 mA, 0-100% LEL		
S2654ET	ETHYL ALCOHOL detector, 4-20 mA, 0-100% LEL		
S2654EP	HEPTANE detector, 4-20 mA, 0-100% LEL		
S2654ES	HEXANE detector, 4-20 mA, 0-100% LEL		
S2654IB	ISO BUTANE detector, 4-20 mA, 0-100% LEL		
S2654IL	ISOBUTYLENE detector, 4-20 mA, 0-100% LEL		
S2654IP	ISO PROPYL ALCOHOL detector, 4-20 mA, 0-100% LEL		
S2654PE	PENTANE detector, 4-20 mA, 0-100% LEL		
S2654PP	PROPYLENE detector, 4-20 mA, 0-100% LEL		
S2654DE	R152a DIFLUOROETHANE detector, 4-20 mA, 0-100% LEL		
S3425R32	R32 DIFLUOROMETHANE detector, 4-20 mA, 0-100% LEL		
S3429R1234YF	R1234yf detector, 4-20 mA, 0-100% LEL		
S3433R1234ZE	R1234ze detector, 4-20 mA, 0-100% LEL		

Other gases on request

SMART3G-C2 - TOXIC GASES (Electrochemical cell)

CODE	DESCRIPTION		
S2641O2	OXYGEN (O2) detector, 0-25% Vol., 4-20 mA		
S2131CO	CARBON MONOXIDE (CO) detector, 0-500 ppm, 4-20 mA		
S2586CO	CARBON MONOXIDE (CO) detector, 0-1000 ppm, 4-20 mA		
S3225AM	AMMONIA (NH3) detector, 0-100 ppm, 4-20 mA		
S2133AM	AMMONIA (NH3) detector, 0-200 ppm, 4-20 mA		
S2135AM	AMMONIA (NH3) detector, 0-1000 ppm, 4-20 mA		
S3229AM	AMMONIA (NH3) detector, 0-5000 ppm, 4-20 mA		
S2137HS	HYDROGEN SULPHIDE (H2S) detector, 0-50 ppm, 4-20 mA		
S3708HS	HYDROGEN SULPHIDE (H2S) detector, 0-100 ppm, 4-20 mA		
S2145NO	NITRIC OXIDE (NO), 0-100 ppm, 4-20 mA		
S3593H2	HYDROGEN (H2) detector, 0-2000 ppm, 4-20mA		
	Detectors with Intrinsically Safe sensor head and large enclosure		
S3004SD	SULPHUR DIOXIDE (SO2) detector, 0-20 ppm, 4-20 mA		
S3008ND	NITROGEN DIOXIDE (NO2) detector, 0-20 ppm, 4-20 mA		
S3012CL	CHLORINE (CL2) detector, 0-5 ppm, 4-20 mA		
S3014CL	CHLORINE (CL2) detector, 0-20 ppm, 4-20 mA		

SMART3G-C2 – REFRIGERANT GASES (MOS sensor)

CODE	DESCRIPTION		
S3437RXXXX	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”.

SMART3G-C2 – CO2 (Infrared sensor)

CODE	DESCRIPTION		
S2651CO2	CARBON DIOXIDE (CO2) detector, 0-2% Vol. , 4-20 mA		
S2652CO2	CARBON DIOXIDE (CO2) detector, 0-5% Vol. , 4-20 mA		
S2445CO2	CARBON DIOXIDE (CO2) detector, 0-30% Vol. , 4-20 mA		

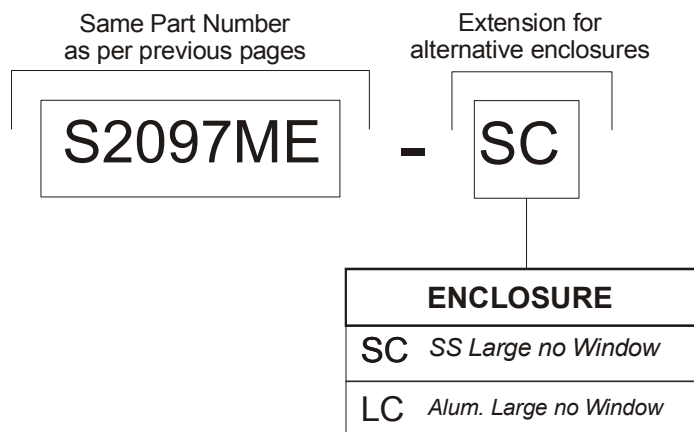
SMART3G-C2 – SF6 and REFRIGERANT GASES (Infrared sensor)

CODE	DESCRIPTION		
S3944R32	R32 detector, 0-2000 ppm, 4-20mA		
S3596R134A	R134a detector, 0-2000 ppm, 4-20mA		
S3599SF6	SF6 detector, 0-2000 ppm, 4-20mA		
S3656R125	R125 detector, 0-2000 ppm, 4-20mA		
S3657R1234YF	R1234yf detector, 0-2000 ppm, 4-20mA		
S3948R1234ZE	R1234ze detector, 0-2000 ppm, 4-20mA		
S3658R404A	R404A detector, 0-2000 ppm, 4-20mA		
S3659R407A	R407A detector, 0-2000 ppm, 4-20mA		
S3920R407F	R407F detector, 0-2000 ppm, 4-20mA		
S3923R449A	R449 detector, 0-2000 ppm, 4-20mA		
S3660R507	R507 detector, 0-2000 ppm, 4-20mA		
S3017R410A	R410 detector, 0-2000 ppm, 4-20mA		
S3952R417A	R417A detector, 0-2000 ppm, 4-20mA		
S3956R448	R448 detector, 0-2000 ppm, 4-20mA		

Other gases on request



**On request, SMART3G-C2 can be supplied in a larger junction box.
Please consult the scheme here below to evaluate the right P/N and definitive cost**



Additional costs to be added to the list price to evaluate the final cost of the detector with larger enclosure.

CODE	DESCRIPTION		
SC	Ex d Stainless Steel large enclosure without window		
LC	Ex d Aluminum large enclosure without window		