

SMART3G-D3 Gas detectors with display for zone 2 category 3 areas



Designed to meet with industrial requirements, the SMART3G-D3 allow monitoring toxic and flammable contents in areas classified as zone 3.

They offer a 4-digits back-lit display and 5 mode status LEDs for the gas concentration reading.

The SMART3G-D3 feature non intrusive calibration for an accurate and easy adjustment via Hall-effect switches, without opening the instrument and declassifying the area.

They can reliably monitor flammable compounds (%LEL), toxic compounds in ppm, Oxygen and CO2 in % by vol.

SMART3G-D3 features:

- Non-intrusive one man calibration via Hall effect switches
- 4-digit display and 5 mode status LEDs
- Standard 4-20 mA 3 wire output
- Standard 1 relay output
- Optional 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 II3G (GD with optional adapter)
- SIL 2HW tested, SIL 3SW pending
- Wide range of sensors and detectable gases
- Wide range of accessories for installation and maintenance
- Easy sensor replacement



IEC60079-29-1



ATEX notified company



For optional accessories please refer to page 29.

SMART3G-D3 - FLAMMABLE GAS (Catalytic sensor)

CODE	DESCRIPTION		
S2156ME	METHANE detector, 4-20 mA, 0-100%LEL		
S2156GP	LPG detector, 4-20 mA, 0-100%LEL		
S2156PR	PROPANE detector, 4-20 mA, 0-100%LEL		
S2156BU	BUTANE detector, 4-20 mA, 0-100%LEL		
S2156VB	PETROL VAPOURS detector, 4-20 mA, 0-100% LEL		

Other gases on request

SMART3G-D3 - FLAMMABLE GAS (Infrared sensor)

CODE	DESCRIPTION		
S2625ME	METHANE detector, 4-20 mA, 0-100%LEL		
S2601PR	PROPANE detector, 4-20 mA, 0-100%LEL		
S2601BU	BUTANE detector, 4-20 mA, 0-100%LEL		
S3426R32	R32 DIFLUOROMETHANE detector, 4-20 mA, 0-100% LEL		
S3430R1234YF	R1234yf detector, 4-20 mA, 0-100% LEL		
S3435R1234ZE	R1234ze detector, 4-20 mA, 0-100% LEL		

Other gases on request

SMART3G-D3 - TOXIC GAS (Electrochemical cell)

CODE	DESCRIPTION		
S2642O2	OXYGEN (O2) detector, 0-25% Vol., 4-20 mA		
S2162CO	CARBON MONOXIDE (CO) detector, 0-500 ppm, 4-20 mA		
S3226AM	AMMONIA (NH3) detector, 0-100 ppm, 4-20 mA		
S2164AM	AMMONIA (NH3) detector, 0-200 ppm, 4-20 mA		
S2166AM	AMMONIA (NH3) detector, 0-1000 ppm, 4-20 mA		
S2168HS	HYDROGEN SULPHIDE (H2S) detector, 0-50 ppm, 4-20 mA		
S2176NO	NITRIC OXIDE (NO), 0-100 ppm, 4-20 mA		
S3594H2	HYDROGEN (H2) detector, 0-2000 ppm, 4-20mA		

Other gases on request

SMART3G-D3 – CO2 (Infrared sensor)

CODE	DESCRIPTION		
S2631CO2	CARBON DIOXIDE (CO2) detector, 0-2% Vol. , 4-20 mA		
S2632CO2	CARBON DIOXIDE (CO2) detector, 0-5% Vol. , 4-20 mA		
S2447CO2	CARBON DIOXIDE (CO2) detector, 0-30% Vol. , 4-20 mA		
S2448CO2	CARBON DIOXIDE (CO2) detector, 0-5000 ppm , 4-20 mA		

SMART3G-D3 – SF6 and REFRIGERANT GASES (Infrared sensor)

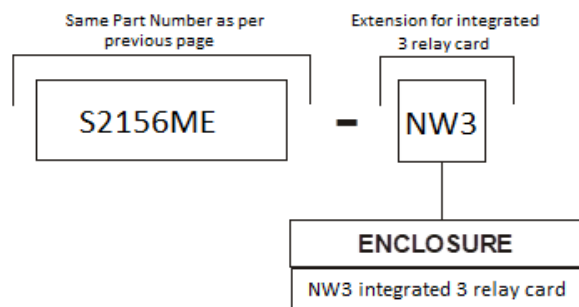
CODE	DESCRIPTION		
S3943R32	R32 detector, 0-2000 ppm, 4-20mA		
S3597R134A	R134a detector, 0-2000 ppm, 4-20mA		
S3600SF6	SF6 detector, 0-2000 ppm, 4-20mA		
S3651R125	R125 detector, 0-2000 ppm, 4-20mA		
S3652R1234YF	R1234yf detector, 0-2000 ppm, 4-20mA		
S3947R1234ZE	R1234ze detector, 0-2000 ppm, 4-20mA		
S3653R404A	R404A detector, 0-2000 ppm, 4-20mA		
S3654R407A	R407A detector, 0-2000 ppm, 4-20mA		
S3919R407F	R407F detector, 0-2000 ppm, 4-20mA		
S3922R449A	R449 detector, 0-2000 ppm, 4-20mA		
S3655R507	R507 detector, 0-2000 ppm, 4-20mA		
S3672R410A	R410 detector, 0-2000 ppm, 4-20mA		
S3951R417A	R417A detector, 0-2000 ppm, 4-20mA		
S3955R448	R448 detector, 0-2000 ppm, 4-20mA		

Other gases on request

SMART3G-D3 – REFRIGERANT GASES (MOS sensor)

CODE	DESCRIPTION		
S3438RXXXX	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”.



Additional costs to be added to the list price to evaluate the final cost of the detector with 3 relay card.

CODE	DESCRIPTION		
NW3	Detector with integrated 3 relay card		