

INTERFACES

4..20mA

Fault in current loop:	0.0 mA
ZERO:	4.0 mA
Full range:	20.0 mA

Maximum resistance applicable as load at current loop output (4..20 mA) when supply voltage is 12V=-15% is 350 ohm.

Relays

Supply voltage:	12 Vdc
Maximum absorption:	80 mA @ 12 Vdc
Contact rating:	3 x 2 A 250 V~ (voltage free)

Modbus®

Interface:	RS485.
Parameters:	19200, 8, N, 1.
Communication protocol:	Modbus® RTU (rif.: www.modbus.org)

CASE

PLASTIC HOUSING

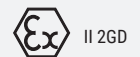
Filter:	Sinterised PE
Case:	ABS V0 - ABS HB
Dimensions:	W5.3 H4.8 D2.5 in W134 H124 D67 mm
Protection rating:	IP54

ATEX METAL FOR N.C. ZONES

Filter:	Sinterised stainless steel
Case:	Die-cast Aluminum
Dimensions:	W4 H5.3 D2.4 in W100 H134 D60 mm
Protection rating:	IP6X

ATEX METAL FOR C.A. ZONES

Filter:	Sinterised stainless steel
Case:	Die-cast Aluminum
Dimensions:	W6.5 H4.6 D3.5 in W165 H117 D90 mm
Protection rating:	IP6X



0051
II 2GD
Ex db IIB+H₂ T6 Gb
Ex tb IIIC T85°C Db
IMQ 15 ATEX 0003 X

LABELLING

Type		Manufacturer address	
Serial number		Working temperature	Manufacturing year
Seitron Via del Commercio, 9/11, 36065 - Mussolente VI - ITALY			
Type:	Year:	Made in Italy	
SN:	Tamb:		
CE	Ex	Ex db IIB+H ₂ T6 Gb Ex tb IIIC T85°C Db	
0051	II 2GD	IMQ 00.ATEX 000 X	
Number of Notified Body responsible for the Quality System	ATEX marking	Marking required by the applied Cenelec standard, EPL (IEC)	
Notified Body who issued the CE Type ATEX Certificate, year of issue and relevant number			

0051: Number of the Notified Body responsible for the Quality System (IMQ).

II 2GD: Equipment for surface plants (II) with the presence of gas (G) or dust (D) of Category 2 suitable for zone 1 or 21 and, with redundancy, for zone 2 or 22.

Ex d: Equipment with ATEX Ex d protection mode (flameproof housing).

IIB+H₂: Equipment of group IIB suitable for all gas substances of group IIB as well as for H₂ (Hydrogen). A device of group IIB + H₂ is also suitable for areas with gas of group IIA and IIB.

T6: Temperature class of equipment (maximum surface temperature 85°C). A device with temperature class T6 is also suitable for substances with higher temperature class (T5 .. T1).

Gb: EPL: Equipment Protection Level according to IEC. 'Gb' stands for 'high protection level (b) for areas with Gas (G)'.

Ex tb: Equipment with ATEX Ex tb's type of protection for dusts (with housing - high level of protection).

IIIC: Equipment suitable for the use in presence of conductive powder of the group IIIC.

85°C: Temperature class of the equipment for use with powders: maximum surface temperature: 85 °C.

Db: EPL: Equipment Protection Level. 'Db' stands for 'high level of protection (b) for areas with dust (D)'.

IMQ 00: Notified Body that issued the Certificate of Compliance of the Type (IMQ) and year of issuance.

ATEX 0000: Number of certificate in the year of issue.

X: Special conditions of use (see Safety Instructions).

INDUSTRIAL RANGE TRANSMITTERS (*)



CE 0051 IMQ 15 ATEX 0003 X
 Ex II 2G Ex db IIB+H₂ T6 Gb
 II 2D Ex tb IIIC T85°C Db

Gas	Working Range	Output signal	Certificate	Cod
Methane	50% L.E.L.	4..20mA + Modbus	IMQ 15 ATEX 003 X	SXMX14M1Y
	100% L.E.L.	4..20mA + Modbus	IMQ 15 ATEX 003 X	SXMX16M1Y
LPG	50% L.E.L.	4..20mA + Modbus	IMQ 15 ATEX 003 X	SXGX14M1Y
	100% L.E.L.	4..20mA + Modbus	IMQ 15 ATEX 003 X	SXGX16M1Y
Gas Vapor	50% L.E.L.	4..20mA + Modbus	IMQ 15 ATEX 003 X	SXVX14M1Y
	100% L.E.L.	4..20mA + Modbus	IMQ 15 ATEX 003 X	SXVX16M1Y
CO	0 .. 500 ppm	4..20mA + Modbus	IMQ 15 ATEX 003 X	SXCX11M1Y



CE 0051 IMQ 20 ATEX 0006
 Ex II 2G Ex db IIC T6 Gb
 II 2D Ex tb IIIC T85°C Db

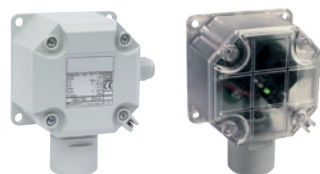
Gas	Working Range	Output signal	Certificate	Cod
Methane	50% L.E.L.	4..20mA	IMQ 20 ATEX 006	SWMX1411
LPG	50% L.E.L.	4..20mA	IMQ 20 ATEX 006	SWGX1411
Gas Vapor	50% L.E.L.	4..20mA	IMQ 20 ATEX 006	SWVX1411
Hydrogen	50% L.I.E.	4 .. 20 mA	IMQ 20 ATEX 006	SWHX1411



COMMERCIAL RANGE TRANSMITTERS

Gas	Working Range	Output signal	Certificate	Cod
Methane	50% L.E.L.	4..20mA + Modbus	metallic	SYM54B
LPG	50% L.E.L.	4..20mA + Modbus	metallic	SYG54B
Gas Vapor	50% L.E.L.	4..20mA + Modbus	metallic	SYV54B
CO	0 .. 500 ppm	4..20mA + Modbus	metallic	SYCN51B

BASE RANGE TRANSMITTERS



Gas	Working Range	Output signal	Certificate	Cod
Methane	50% L.E.L.	4..20mA + Modbus	grey plastic	SYMN24B
		4..20mA + Modbus + Relè + Buzzer + LED	transparent plastic	SYMN04R
	100% L.E.L.	4..20mA + Modbus	grey plastic	SYMN26B
		4..20mA + Modbus + Relè + Buzzer + LED	transparent plastic	SYMN06R
LPG	50% L.E.L.	4..20mA + Modbus	grey plastic	SYGN24B
		4..20mA + Modbus + Relè + Buzzer + LED	transparent plastic	SY GN 04R
	100% L.E.L.	4..20mA + Modbus	grey plastic	SY GN 26B
		4..20mA + Modbus + Relè + Buzzer + LED	transparent plastic	SYGN06R
Gas Vapor	50% L.E.L.	4..20mA + Modbus	grey plastic	SYVN24B
		4..20mA + Modbus + Relè + Buzzer + LED	transparent plastic	SYVN04R
	100% L.E.L.	4..20mA + Modbus	grey plastic	SYVN26B
		4..20mA + Modbus + Relè + Buzzer + LED	transparent plastic	SYVN06R
CO	0 .. 500 ppm	4..20mA + Modbus	grey plastic	SYCN21B
		4..20mA + Modbus + Relè + Buzzer + LED	transparent plastic	SYCN01R

All transmitters are compatible with RYM02M0, RYM02M1, RYM02M2, RYK01M control units. There is only one exception: SW-X transmitters do not work with RYK01M control unit.

(*The codes of the transmitters indicated refer to enclosures with:

- 3 x 3/4" NPT ports (SX-X)
- 1 3/4" NPT (SW-X) inlet, opposite the sensor.

Upon request, it is possible to supply SX-X transmitters with housing having 1 M25x1.5 fitting and 2 fittings plugged by fusion.