

Sensotox C2

Remote Gas Detector Panel with Display and relays fitted with NFC™



01 PRODUCT DESCRIPTION

The Sensotox C2 can use a wide range of sensor types for a variety of configurations, allowing the gas reading to be shown on its display and alarm and signalling relays to be activated. Available sensors include electrochemical ones for oxygen and toxic gases, catalytic and infrared ones for flammable gases, infrared ones for CO₂ and PID for Volatile Organic Compounds. It also has a 4-20 mA analogue output for connection to external systems as well as a ModBus digital output to enable connection of multiple control panels on a single loop. The status LEDs also indicate correct operation, if any of the alarm relays is activated.

The Sensotox C2 comes ready to be easily installed, needing only a 110-220 VAC or a 12-24 VDC supply. The network of sensors in ModBus may be connected to a GasVisor panel which will monitor the status of each detector to indicate alarm and sensor status conditions, with a wide variety of controls, indications and options. It also allows the connection of up to 8 Sensotox C2 units to a GasVisor panel via a 4-20 mA analogue output.

Additionally, it has a data storage system with capacity for of 8000 events, to log any alarm event. It can also store up to 5 days of readings at one-minute intervals. This data will be downloaded directly to a PC via RS485, however the last 5 events will be downloaded to a phone with NFC™ technology using the SmartSens application.

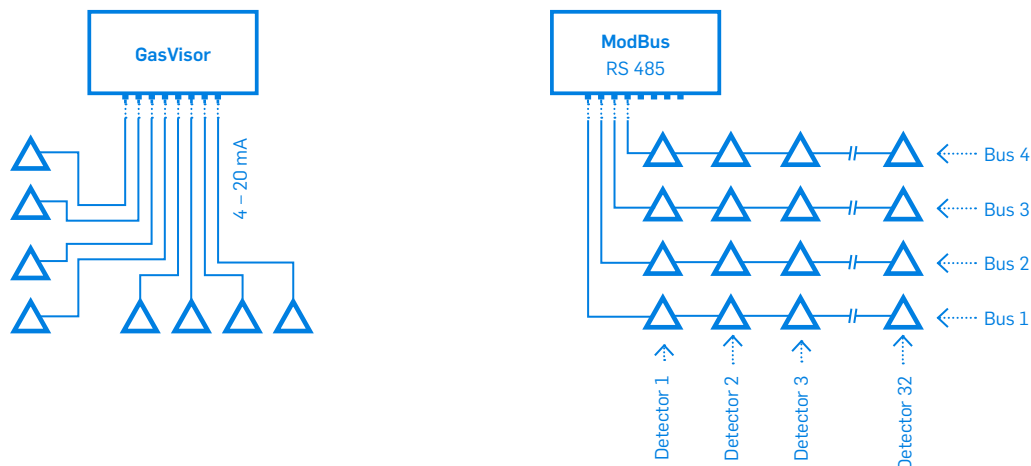
02 KEY FEATURES

- Easy installation
- 110-220 V AC supply
- Multiple sensors available
- Flexible output options
- 3 alarm levels
- Adjustment by keypad
- Addressable or independent
- RS485 or RS232 communication by means of adapter
- 4-20 mA analogue output
- Plug and Play
- Calibration by a single person
- Two alarm relays plus fault relay
- Datalogging
- NFC™

03 TECHNICAL SPECIFICATIONS

Power Supply	110-220 VAC 4-20mA (3 wires) and ModBus RS485 (4 wires)
Outputs	Low alarm relay 2A @ 250 V High alarm relay 2A @ 250 V Relays inhibition during adjustment
Display	LCD 4 digits
Indicators	Working: Green LED Alarm: Red LED and status warning on display Fault: Orange LED and status warning on display
Datalogging	8192 events (5 days in continuous)
Data Download	NFC with free App SmartSens (Android)
Protection	IP-65
Cable Entry	3 x PG9
Weight	1,5 Kg
Dimensions	15,8 cm x 15 cm x 8,5 cm
Temperature	-10 °C to + 50 °C
Humidity	0 to 99% RH (non-condensation)

04 CONNECTION SCHEME



△ Sensotox C2

05 ORDERING INFORMATION*

Reference	Gas	Range	Sensor
C2-001-XY	O ₂	0 – 30% vol.	Electrochemical
C2-002-XY	CO	0 – 1.000 ppm	Electrochemical
C2-003-XY	H ₂ S	0–100 ppm	Electrochemical
C2-004-XY	NO	0–250 ppm	Electrochemical
C2-005-XY	NO ₂	0–20 ppm	Electrochemical
C2-006-XY	Cl ₂	0 – 10 ppm	Electrochemical
C2-007-XY	SO ₂	0 – 20 ppm	Electrochemical
C2-008-XY	NH ₃ (standard range)	0 – 300 ppm	Electrochemical
C2-009-XY	NH ₃ (high range)	0 – 1.000 ppm	Electrochemical
C2-010-XY	CH ₄ Vol. (IR high range)	0 – 100% vol.	Infrared
C2-011-XY	CO ₂	0 – 10.000 ppm	Infrared
C2-012-XY	CO ₂	0 – 50.000 ppm	Infrared
C2-013-XY	CO ₂	0 – 100% vol.	Infrared
C2-014-XY	COV	0,01 – 20,0 ppm	PID
C2-015-XY	COV	0,1 – 200 ppm	PID
C2-016-XY	COV	0 – 2.000 ppm	PID
C2-017-XY	PH ₃	0 – 20 ppm	Electrochemical
C2-018-XY	H ₂ S (high range)	0 – 2.000 ppm	Electrochemical
C2-019-XY	L.E.L. (IR)	0 – 100% L.E.L.	Infrared
C2-021-XY	ETO	0 – 10 ppm	Electrochemical
C2-022-XY	HCN	0 – 50 ppm	Electrochemical
C2-023-XY	HF	0 – 10 ppm	Electrochemical
C2-024-XY	H ₂	0 – 2.000 ppm	Electrochemical
C2-025-XY	O ₃	0 – 10 ppm	Electrochemical
C2-026-XY	HCl	0 – 50 ppm	Electrochemical
C2-027-XY	HCHO	0 – 10 ppm	Electrochemical
C2-028-XY	CH ₃ SH	0 – 10 ppm	Electrochemical
C2-029-XY	C ₂ H ₃ Cl	0 – 20 ppm	Electrochemical
C2-030-XY	ClO ₂	0 – 10 ppm	Electrochemical