

## EC 4-20 mA transmitter Toxic - Oxygen



**Gas Detector for Continuous Monitoring**



The Explorer **EC** is a permanently mounted (fixed) toxic gas or oxygen transmitter that operates from 10 to 30 VDC power source and provides an analog signal output (4-20mA) in the range of sensor specifications. Housed in an explosion-proof enclosure, the Explorer **EC sensor/transmitter** is equipped with a local digital display and function keys for performing calibration

**ATEX Approved**

**Easy to calibrate**

**Internal Display**

### Applications

- Waste water treatment plants
- Petroleum and natural gas fields
- Marine and off-shore oil wells
- Refineries and petrochemical plants
- Pulp and paper plants
- Chemical plants
- Power plants
- Steel mills

### HOW TO ORDER

<b>102302</b>	Sensor O2	<b>102493</b>	Sensor IR-CO2 range 0-1%, 0-10%, 0-20%,
<b>102306</b>	Sensor CO	<b>102497</b>	Sensor IR-CO2 range 0-0,5%, 0-5%, 0-20%
<b>102311</b>	Sensor H2S	<b>102498</b>	Sensor IR-CO2 range 100%
<b>102331</b>	Sensor NO2	<b>102504</b>	Sensor IR-CO2 range 0-300 ppm, 0-500 ppm
<b>102341</b>	Sensor Cl2	<b>102507</b>	Sensor IR-HC (Hydrocarbons-Methane / 0-100 Vol.%)
<b>102351</b>	Sensor NO	<b>102508</b>	Sensor IR-HC (Hydrocarbons range 0-10.000 ppm)
<b>102371</b>	Sensor HCN	<b>102512</b>	Sensor IR -N2O (Protossido d'azoto)
<b>102322</b>	Sensor SO2	<b>102401</b>	Sensor ETO (Ossido di Etilene)
<b>102391</b>	Sensor NH3	XXXXXX	<b>Ask for other sensors</b>

**RECOM INDUSTRIALE srl**

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## TECHINICAL DETAILS

<b>Range</b>	<b>Ask for ranges</b>
<b>Sensor</b>	Electrochemical & Infrared principle
<b>Sensibility</b>	<b>Ask for sensibility</b>
<b>Linearity</b>	100%
<b>Output</b>	4/20 mA
<b>Power supply</b>	12 Vcc or 24 Vcc
<b>Operating Temperature</b>	- 20° ÷ + 55° C
<b>IP</b>	IP 6X
<b>Response time</b>	T 90 < 25 sec
<b>Wiring type</b>	3 wires
<b>Sampling</b>	Diffusion
<b>Display</b>	Internal 7-segmenti, 4-digit LCD
<b>Approvals</b>	ISSeP04ATEX036 - II 2GD - EEx d IIC T6 - IP 6X - T85°C - CE DNV (Det Norske Veritas) n° A8575 R.I.Na (Registro Navale Italiano)



## COMPATIBLE WITH :

### Control Units



**GasScreen**

The **Explorer Gas Screen 160** allows the continuous monitoring of n° 16 channels 4-20mA and 256s points RS485 useable for combustible gases detectors (% LEL and/or VOL), oxygen (% O2) and toxic (ppm) gases. The calibration, the configuration of the parameters and the sensors setting, is quick and easy via the multi-colour touch screen display.



**Explorer 4**

**Explorer 4** is a Multichannel Control Unit in a rack module, with four acquisition channels. Designed for a continuous monitoring of dangerous gases. The rack module assures a very easy installation in industrial cabinets. Available racks for 8 or 16 channels.



**Explorer BOX 4**

**Explorer BOX 4** is a Multi-channel (up to 4 channels) microprocessor Control Unit gas detection system for Flammable, Oxygen and Toxic gases. Designed for continuous monitoring and alarm control. Complete with wall mounting plate and case IP 65, as well as a universal power supply of 110/220Vac. The display shows for each channel the gas concentration and its unit.



**Explorer BOX 2**

**Explorer Box 2 CH** allows the continuous monitoring of 2 channels 4-20mA useable for detectors of combustible gases (% LEL and/or VOL), oxygen (% O2), toxic (ppm) gases. The calibration, the configuration of the parameters and the sensors setting, is quick and easy via a multi-colour touch screen display.

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