

BOX 4

Multi – Channel Control Unit



Explorer 4 BOX is a Multi-channel control unit for Gas detection systems. Programmable parameters (gain, offset, full scale, alarm levels (3), fault of the sensors, etc.) makes it possible to check any measurement detectable with sensors 4-20mA. Quick connection terminals for easy installation. 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.

- **Alphanumerical display**
- **3 Multifunction keys**
- **Output relay for each Channel**
- **Sensors/Transmitters Power supply**
- **IP 65**

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

RECOM INDUSTRIALE srl

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TECHINICAL DETAILS

Case	Wall mounting
Size	296x256x123 mm
Display	LCD 2x16 digit
Weight	1,5 Kg
Linearity	100%
Detection range	%, ppm, and other parameters with firmware (8 bit, 256 liv.)
Power supply	110 - 220 VAC
Power consumption	5 - 25 W
No. of channels	1 - 4 working SW via 232 from PC (1,2,3,4,)
Alarms	3 levels, from 0 to 100% f.s. Fault condition alarm for disconnected sensor
Analog input signals	2 for each channel (0 - 10 V / 4-20mA)
Digital input signal	RS 232 to BUS for connection I/O to PC
Optical visualizations	4 LED for each channel (1 fault and 3 alarm levels) + 1 LED for power down
Audible alarm	1 buzzer activated in case of alarm Relays 1 for general alarm and 1 for fault, common to the 4 channels NC and NO
Key pads	3 multifunction keys
Analog output	4-20 mA for each channel
Sensor power supply	13,5 V / 50mA
Operative temperature	-20°C to + 55°C
Humidity	0% to 95% relative humidity (non-condensing)
Approvals	Certifications: Waterproof enclosure: ATEX IIGD EX d t DA IIC T6 CE - electromagnetic compatibility
Programmable Parameters	Language (Italian & English) Gain, offset, and full scale for each 3 alarm levels for each channel; adjustment of the average of the reading time

COMPATIBLE WITH :

Transmitters



GasPoint

The **Gas Point** is an economical, microprocessor-based gas detector for stand alone continuous monitoring of toxic gases, oxygen or flammable gases. Non-intrusive calibration and maintenance is performed using a magnetic wand to access the software through the casing window - no need to open the casing (and obtain special area permits) to perform routine calibrations.



EC & % LEL Transmitters

These transmitters allow the continuous monitoring in Eexd areas for flammable gases (%LEL), Oxygen (% O2), and toxic gases (ppm). Also available with internal display. Aluminium ATEX case.

Approvals ISSeP04ATEX036
 ATEX II 2GD - EEx d IIC T6 - IP 6X - T85°C
 Shipping approvals DNV (Det Norske Veritas) n° A8575



ADVENTURE

Electrochemical gas sensor or catalytic gas sensor
 Range: 0-1000 PPM for CO - 0-100% LEL for combustible gas
 4~20mA signal output is compatible with all 4~20mA control systems
 RS485 compatible
 Protection degree: IP65
 Working voltage: DC24V±25%
 Relay output of high-alarm and low-alarm

How to order - Part Number Description **100430**
 Explorer BOX 4
 4 channels
 wall mounted
 plastic case IP 65

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