

GasScreen

Multi – Channel Control Unit



Explorer GasScreen is a Multi-channel colour touch screen display 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 N. 16 sensors 4-20mA/direct combustible sensor and N.256 RS485(2x128). Quick connection terminals for easy installation. Complete with wall mounting plate and case ,as well as a universal power supply of 110/220Vac. The display shows for each channel the gas concentration and its unit and all settable parameter (sensor type, alarms, calibration,RS485 .
The control unit is available , for 4-20mA sensors from 4 to 16 channels, the mother board accepts n° 8 independent 2 channel boards. Ethernet connection and USB connection .
Datalogging on Memory card. Optional wireless/GPRS connection

- **Touch screen colour display**
- **Output relay for each Channel**
- **Sensors/Transmitters Power supply**

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

Via Pietro Chiesa, 25 r. – 16149 Genova – Italia
Tel. (+39) 010-469.56.61 r.a. 010-469.53.25
Fax (+39) 010.642.42.05
e-mail: info@recomind.com

www.recomindustriale.com

TECHINICAL DETAILS

Case	Wall mounting
Size	370x300x120 mm
Display	Colour touch screen
Weight	3 Kg
Linearity	100%
Detection range	%, ppm, and other parameters with firmware (8 bit, 256 liv.)
Power supply	110 - 220 VAC
Power consumption	100 W
No. of channels	From 4 to 16 - 4-20mA 2x128 RS 485
Alarms	3 levels, from 0 to 100% span Fault condition alarm for disconnected sensor
Analog input signals	2 for each channel (0 - 10 V / 4-20mA)/direct combustible
Digital input signal	RS 485
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
Controls	3 multifunction keys
Analog output	4-20 mA for each channel/direct
Sensor power supply	13,5 V / 50mA
Operative temperature	-20°C to + 55°C
Humidity	0% to 95% relative humidity (non-condensing)
Sensors 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



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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