"EXPLORER 4 BOX"

Multi Channel Sensor Control Unit

Wall mount system for measuring and monitoring of Combustible, Oxygen and Toxic gases

Explorer 4 BOX is a Multi-channel microprocessor controlled gas detection system.
Programming of several 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. The LCD display shows in real time and simultaneously the gas concentration or the value of the parameters requested of the channels.
In programming mode, the LCD shows the functions of the key pads by a menu. Quick coupling connection terminals allow easy installation. The control of the supply voltage ensure the safe running of the system.

TECHNICAL DATA

Cases	Wall mount
Size	296 x 256 x 123 mm
Weight	1,5 Kg
Display	LCD 2x16 digit (heated if ambient temperature is <0°C)
Detection range	%, ppm, and other parameters with firmware (8 bit, 256 liv.)
Power supply	110 - 220 VAC
Power comsumption	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	2 for each channel (0 - 10 V / 4-20mA)
Optical visualizations	4 LED for each channel (1 fault and 3 alarm levels) + 1 LED for power
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	13,5 V / 50mA
Operatine temperature	-20°C to + 55°C
Humidity	0% to 95% relative humidity (non-condensing)
Output for recharching	13,8 V / 100 mA for emergency battery 12V / 1,2 Ah
Programming	languages gain adjustment for each channel offset and full scale adjustment for each channel adjustment of 3 alarm levels for each channel adjustment of the average of the reading time

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