



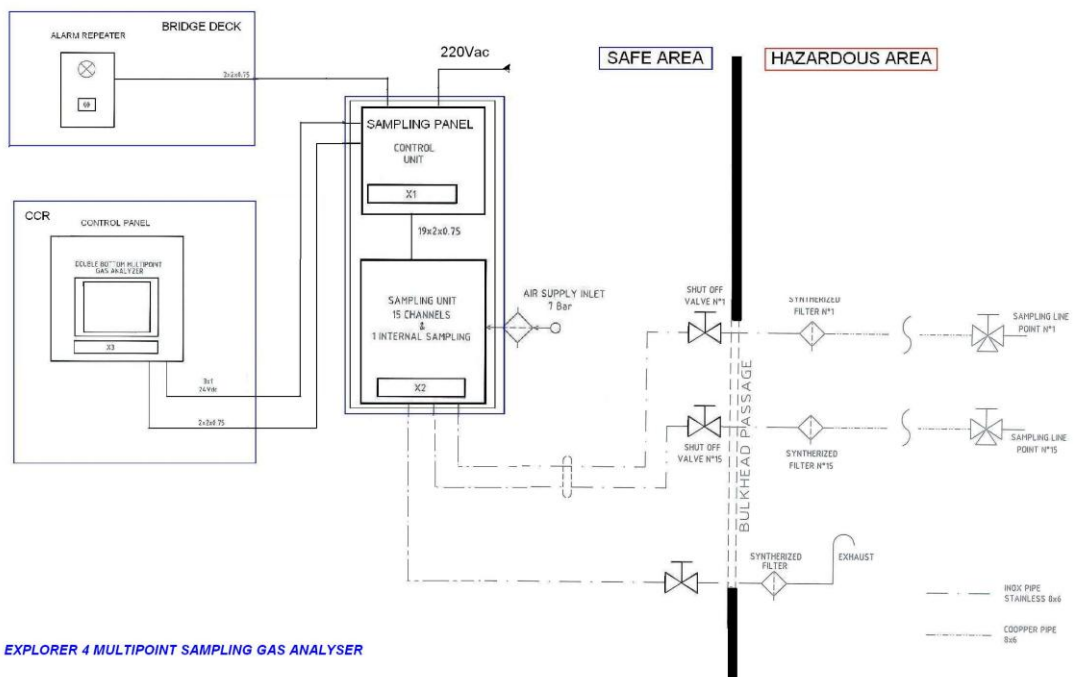
EXPLORER 4 MULTIPOINT



Sampling gas analyser

Explorer 4 MULTIPOINT is a sampling gas analyser, with 2 or more gas detection system

(LEL ,H2S and / or O2) reliable and in accordance of the Rules with 15 sampling points + 1 Internal sampling point.



EXPLORER 4 MULTIPOINT SAMPLING GAS ANALYSER

RECOM INDUSTRIALE srl

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As illustrated on above general layout, the Explorer 4 Multipoint gas detection system is essentially composed by:

Control panel

Sampling panel

Alarm repeater

Sintered filters and gas protected bulkhead passage

Control panel

It is a marine plastic panel to be installed in Cargo Control Room with the LEL and H₂S or other kind of gas indication, the push buttons for sequence control and the optic and acoustic alarms.

Inside the panel are installed the auxiliary / alarm control circuits and the sequencer PLC.

With the control panel, it is possible to visualise the gas concentration, to set a manual sequence, to choose the alarm set point, to purge the lines, stop the sequence in case of presence of water or for high % gas content.



Sampling Panel

It is a gas tight metal panel which contains:

The LEL sensor with flow regulator

The H₂S sensor with flow regulator

The sensor for water detection in the lines

The sampling solenoid valves

The vacuum pump with the sensor for too low vacuum

The panel is to be installed in safe area close to pipes bulkhead passage.

Provided with a gas content self detecting point. In case of gas content higher than 10%LEL inside the panel the system automatically give alarm and shuts down.

Alarm Repeater

It is a non-acknowledgeable optic and acoustic alarm repeater to be installed in bridge deck.

Sintered filters and gas protected bulkhead passage

N°16 flame arrestors(sintered filter explosion proof- one for each line)

N°16 shut off valve

N°16 valve (3way)

N°1 Gas protected bulkhead passage approved type.

SENSOR DETAILS

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LEL SENSOR

Range	0 ÷ 100 % LEL
Sensor	catalytic oxidation principle
Sensibility	1%
Linearity	100%
Output	4/20 mA /RS485 MODBUS RTU
Power supply	12 Vcc or 24 Vcc
Operating Temperature	- 20° ÷ + 55° C
IP	IP 6X
Response time	T 90 < 25 sec
Wiring type	3 wires
Sampling	Diffusion
Display	Internal 7-segmenti, 4-digit LCD
Approvals	ISSeP04ATEX036 - II 2GD - EEx d IIC T6 - IP 6X - T85°C - CE DNV (Det Norske Veritas) n° A8575 R.I.Na (Registro Navale Italiano)



H2S SENSOR Trasmitter 7SH

Range	0 ÷ 200ppm max 1000 ppm
Sensor	electrochemical principle
resolution	0,25 ppm
Linearity	100%
Output	4/20 mA /RS485 MODBUS RTU
Power supply	18 ... 30 Vdc
Operating Temperature	- 40° ÷ + 50° C
IP	IP 6X
Response time	T < 15 sec
Wiring type	2 wires
Sampling	Diffusion
Display	Internal 7-segmenti, 4-digit LCD
Approvals	ISSeP04ATEX036 - II 2GD - EEx d IIC T6 - IP 6X - T85°C - CE DNV (Det Norske Veritas) n° A8575 R.I.Na (Registro Navale Italiano)

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