Standalone programmable detector designed for the detection of explosive gases using catalytic technology (pellistor), with a detection range of 0 to 100% L.E.L. and resistant to silicone vapours.

Provided with a backlit 16 X 2 line display, three keys, programmable alarm relay output and internal acoustics.

Programming functions:
Allows programming

- Gas type
- Prealarm level
- Alarm level
- Initial status of relay output
- Rearm type: manual or automatic
- Rearm time delay
- Activation or not of internal acoustic
- Possibility of inhibiting the sensor to prevent inappropriate actions in case of breakdown

There is also available a standalone version with RS485 communication compatible with DURGAS control panels (V04 and onwards software version of DURGAS).

Especially indicated for use in laboratories or compartmentalized areas which apart from local operation, need to be controlled and carry out maneuvers, and report remotely on their status.

Up to 8 units can be connected per module line, maintaining their compatibility with all other gases (RS485 version).

- **Standalone functioning:** without connection to a control panel • **Detection range** from 0 to 100% L.E.L.
- **Mixed operation:** information and local actuations and RS485 communication to a control panel.
- **Display,** backlit 16 X 2 line • **Resistant** to silicone vapours (HDMS) • **Protection grade** IP65.
- **Detector** provided with sintered filter • **Universal** support with inclination for ceiling and floor – optional
- **Power** adapter, 230V with capacity to connect from 1 to 10 units of STANDGAS detectors – optional

AVAILABLE GASES

Methane - natural gas CH_4 - Hydrogen H_2 - Methanol CH_4O - Ethane C_2H_6 - Ethanol C_2H_6O - Ethylene $_2HC=CH_2$ - Propane C_3H_8 - Propylene $H_2C=CH-CH_3$ - Acetone $CH_3(CO)CH_3$ - Ammonia NH_3 - Cyclohexane C_6H_{12} - Cyclopentane C_5H_{10} - Dioxane $C_4H_8O_2$ - Ethyl acetate $CH_3-COO-CH_2-CH_3$ – Isopropyl alcohol (IPA) $H_3C-HCOH-CH_3$ - Methyl ethyl ketone (MEK) - Butane C_4H_{10} - Hexane C_6H_{14} - Pentane C_5H_{12} - Propanol $H_3C-CH_2-CH_2-OH$ (Propyl alcohol) - Butyl acetate $CH_3COO(CH_2)_3CH_3$ - Iso-Octane C_8H_{18} - Heptane C_7H_{16} - Toluene $C_6H_5CH_3$ - Xylene $C_6H_4(CH_3)_2$ –Benzene C_6H_6 - Kerosene - Acetic acid CH_3-COOH - Decane $C_{10}H_{22}$ – Isobutyl Alcohol $(CH_3)_2CHCH_2OH$ - Nonane C_9H_{20} - Styrene C_8H_8 - Methyl isobutyl ketone C_6H1_2O.

A special version for the detection of ACETYLENE C_2H_2 is also available.

APPLICATIONS

– **Battery rooms** – **Pharmaceutical laboratories** – **University laboratories** – **Aviation industries** – **Galleries**
– **Distilleries** – **Livestock farms** – **Petrol stations** – **Boiler rooms** – **Industrial kitchens** – **Industries in general.**

TECHNICAL CHARACTERISTICS

Technology	Catalytic sensor and microprocessor
Power supply tension	From 10 to 24V DC / From 10 to 15V (RS485 version)
Maximum consumption at 12 V DC	90 mA at rest – 130 mA, acoustic and relay activated
Communication	RS485
Gas measurement range	0-100% L.E.L. (5% vol. Methane) lineal full scale–
Resolution	$\pm$1% L.E.L. at 20ºC 50% R.H.
Zero drift	$\pm$ 7mV / year
Span drift	$\pm$ 9% L.E.L. / year
Stabilization time	< 15 minutes –all specifications–
Resistance to H_2S	Yes (typical 1000 ppm/hour)
Response time T50/T90	3s and 8s respectively
Useful life	Approx. 3 years in normal working conditions
Maintenance periods	Annual –recommended
Environmental conditions	–10ºC to +50ºC and from 0 to 90% R.H. without condensation
Atmospheric pressure limits	80 to 110 kPa (0.8 to 1.1 bar)
Alarm relay	Switched output dry contact 3A 250V AC fuse protected
Coverage area	16/30 m^2 approximately
Material and protection grade	Makrolon & ABS IP65
Cable entry and diameter	Cable glands / 6-10mm^2
Dimensions in mm. and weight in gr.	120 X 160 X 60 / 350

WARRANTY

STANDGAS PRO LCD detectors are guaranteed against any manufacturing defect for 1 year after date of purchase of the equipment. Warranty conditions are included in the installation manual of the detector.

ORDERING INFORMATION

When placing the order, please be sure about the correct product code according to the description and check that it complies with your requirements.

STANDGAS PRO LCD EXP – MESSAGES IN ENGLISH	
CODE	DESCRIPTION
SPLN–HCrLI	STANDGAS PRO LCD EXP 0-100% L.E.L. with relay. ENGLISH
SPLNACTrLI	STANDGAS PRO LCD ACETYLENE 0-100% L.E.L. with relay. ENGLISH

STANDGAS PRO LCD EXP RS485 – MESSAGES IN ENGLISH	
CODE	DESCRIPTION
SPLNRS–HCrLI	STANDGAS PRO LCD EXP 0-100% L.E.L.. RS485 with relay. ENGLISH
SPLNRSACTrLI	STANDGAS PRO LCD ACETYLENE 0-100% L.E.L. RS485 with relay. ENGLISH

ACCESORIES	
CODE	DESCRIPTION
SOPMUN	Universal multiple support
SALIM230	Power adapter, 230V with capacity to connect from 1 to 10 units of STANDGAS