



The Explosimeter-catharometer with three measurement scales PPM, LEL and Volume gas


Monitored entirely by microprocessor, this explosimeter-catharometer is characterized by its ease of use, its reliability and its operational safety. Its benefits include:

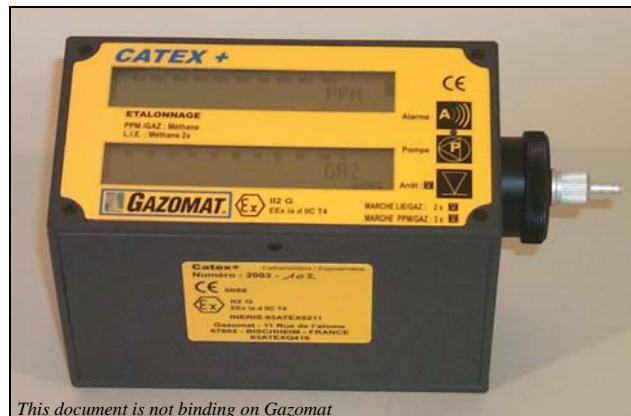
Reliable and reproduceable measurements in all circumstances

- ◆ On option : measurement display on PPM or LEL scale. The instrument always displays the real gas concentration, even when the sample taken contains little or no oxygen.
- In PPM mode, when the gas concentration reaches 10000 PPM, the Catex+ switches automatically on the LEL scale and, conversely, it switches from the LEL to the PPM scale when the gas concentration is too low.
- ◆ The Catex+ can also be turned on in a hazardous environment with the assurance of reliable measurements.

A user-friendly detector

- ◆ Automatic test, at start-up, of all key functions of the Catex+ : power level, pump, microprocessor, Eeprom, PPM, LEL and Volume gas sensors.
- ◆ Automatic compensation of all potential drifts for a great stability of the zero over both measuring scales.

Technical sheet	
<u>3 measurement scales :</u>	
•	0-10000 PPM
•	0 - 100 % LEL (reading threshold : 1%)
•	0 - 100 % volume gas (reading threshold : 1%)
<u>Operating autonomy :</u>	
•	10 hours at 20°C with alkaline batteries (LR 20 type)
•	6 to 8 hours with approved rechargeable accumulators
<u>Operational safety :</u>	
•	In compliance with the EEC standards in force
▪	EMI : EN 50 081-2 and EN 50 082-2.
▪	Explosive atmospheres : in compliance with the 94/9/CE directive of the 23 March 1994 : EN 50014, EN 50018 and EN 50020
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•	Metrology : EN 50 054, EN 50 057, EN 50 058.
<u>Sizes :</u> 190 x 100 x 120 mm	
<u>Weight :</u> 2.2 kg	



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- ◆ Easy reading of the values displayed simultaneously on two LCD screens fitted with large bargraphs.
- ◆ Automatic backlighting of the LCD screens according to ambient luminosity.
- ◆ Electric pump's flowrate displayed on LCD screen for permanent control.
- ◆ Programmable audible and visual alarms with thresholds visible on LCD screen (the operator can select and program alarm threshold in the LEL scale).
- ◆ In the LEL mode, gas sampling is performed either manually with the hand-held suction bulb or by the integrated electric pump. In the PPM mode, the pump cannot be turned off, thus enabling a more accurate reading of very low gas concentrations.
- ◆ Power supply by 4 alkaline batteries or by 4 rechargeable accumulators.

Features that make the point

- ◆ Internal memory recording of the total operating time, for a better maintenance of the Catex+.
- ◆ Calibration is performed without having to open the unit, by a simple connection either to the calibration box or to the Gazomat Calibration Bench.
- ◆ In full compliance with the **ATEX directive 94/9/CE** for a maximum safety of use.