

≡ CATEX + DUO ≡

The Explosimeter-catharometer with two measurement scales 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:

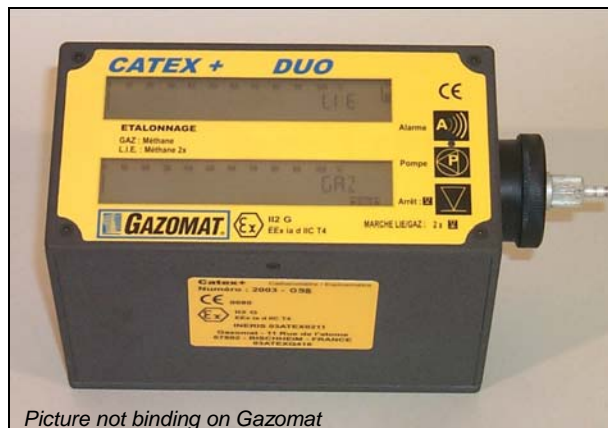
Reliable and reproducible measurements in all circumstances

- ◆ Thanks to simultaneous display on the two measurement scales – LEL and Volume gas – the instrument always displays the real gas concentration, even when the sample taken contains little or no oxygen.
- ◆ The Catex+Duo 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+Duo: power level, pump, microprocessor, Eeprom, 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>2 measurement scales :</u> | |
| • | 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 | |



Picture not binding on Gazomat

- ◆ 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).
- ◆ Gas sampling performed either manually with the hand-held suction bulb or by the integrated electric pump.
- ◆ 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+Duo.
- ◆ 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.