

CATEX | Technical specification



MEASUREMENTS

SCALE	GAS	PRINCIPLE	RANGE	ACCURACY	THRESHOLD
PPM	CH ₄	Concentration	0-10,000ppm	0-1,000ppm +/- 100ppm 1,000-10,000ppm +/- 10% relative	50ppm
LEL	CH ₄	Explosimetry	0-100% LEL	0-50% LEL +/-5% LEL 50-100% LEL +/-10% relative	0.1% LEL
GAS	CH ₄ C ₄ H ₁₀ C ₃ H ₈	Catharometry	0-100% gas volume	0-50%v/v +/-5% v/v 50-100%v/v +/-10% v/v	0.2%

POWER SUPPLY

Battery	NiCd rechargeable battery pack as supplied by the manufacturer in compliance with ATEX certification
Battery autonomy	12 hours
Battery charging time	14 hours

GENERAL

Response time	T90 standard : 4.4 seconds
Alarms	Audio and visual alerts (LED and LCD display) -Concentration threshold against methane CH ₄ -Explosion risk against methane CH ₄ -Pump: pump blocked, error pump
Size	L218mm x W104.5mm x H140.5mm
Pump flow rate	32l/hr

CERTIFICATION RATING

CE marking standard conformity	EN 50270 :2015 – Electromagnetic compatibility EN 61010-1 :2010 + A1:2019/AC 2019-04 – Safety requirements for electrical equipment for measurement, control and laboratory European standards of use in explosive atmospheres:- EN IEC 60079-0 :2018 –ATEX general requirements EN 60079-1 : 2014 – Flameproof enclosures EN 60079-11 :2012 – Intrinsic safety EN 60529 – Degrees of protection provided by enclosures (IP code)
ATEX marking	II 2 G Ex db ia IIB T3 Gb Tamb = -20°C - +50°C INERIS 21ATEX0023X