Recotec









The Inspectra Max is an accurate methane analyzer with full traceability. Sensitive to below 1ppm, this model offers all the advantages of optical detection in a highly compact and portable device. With precise and reliable methane readings that can follow planned routes, operators can view results on a smartphone via Bluetooth connection to an integrated data platform.



- Landfill Surface Emissions Monitoring
- Leak detection for operations and loss of product gas
- Emissions meaurement and qualification
- Leak Survey
- Fully integrated mobile app

	— Applications ————		
Utility Networks	Landfills	Digesters/Lagoons	
	Key Benefits		
No Calibration Needed	No Drift	Methane Specific	
Meets Method 21 requirements	Compact & Lightweight	<1ppm to 100% volume CH 4	

Fully integrated Datafield/Gazosurvey mobile application

Inspectra MAX | Technical Specification



MEASUREMENTS

SENSOR	TYPE	UNITS	RANGE	DETECTION THRESHOLD	RESPONSE TIME (T90)	PUMP FLOW RATE
CH₄	Laser	ppm % gas volume % LEL (optional)	0-100% gas volume	0.5ppm	4.5s 6s (with suction rod)	30l/h (slow speed) 70l/h (high speed)

PHYSICAL

Display	LCD screen with backlight 60° viewing angle Contrast constant from -15°C to +50°C / +5°F to +122°F	Gas connection	Quick-connect inlet coupling with locking mechanism Quick-connect gas outlet coupling
Keypad	Continuous reading display 5 direct control keys Protected-access scrolling menu	Electrical connection	Male power plug 2.1mm for battery charge External bluetooth connector (optional)
Start-up time	<15s		(a)
	Visual and audio	Dimensions	263mm x 113mm x 141mm 10.3" x 4.4" x 5.5"
Alarms	Concentration threshold Pump stop / pump error	Weight	2.7kg / 5.95lbs with batteries
Status indicators	Battery charge level Pump status	Protection rating	IP54

POWER SUPPLY

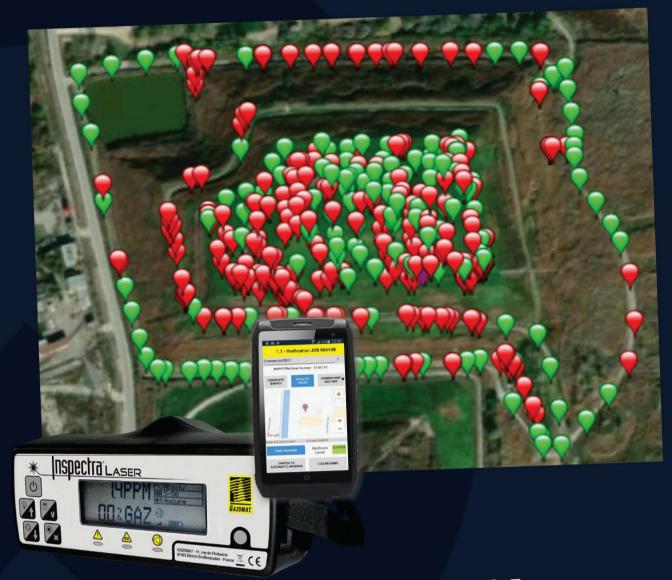
ENVIRONMENTAL CONDITIONS

Battery type	NiMH rechargeable battery pack: 3 x 1.2V-6450mAh	Operating temperature	-15°C to +50°C / +5°F to 122°F
Battery life	12 hours at 20°C to 25°C /	Atmospheric pressure	1013mbar (+/- 100mbar)
68°F to 77°F	Humidity	5 to 80% relative humidity	
Battery charger	100-240VAC 50Hz-60Hz		
Charge time	10 hours at 1Ah		

CERTIFICATION RATING

DATA & COMMUNICATIONS

		DAIA & COMMONICATIONS	
Standard conformity	CE Marking EN 61010:2010 + A1:2019/AC 2019 -04 Safety requirements for electrical equipment for measurement, control and laboratory use EN 50270:2015 Electromagnetic	Connection Data recording	Bluetooth communication with mobile devices (optional) Data transfer to Datafield/Gazosurvey mobile application (optional)
ATEV 7-1-1	compatibility Ex II 2 G Ex ib op is IIB T3 Gb		
ATEX Zone 1	INERIS 19ATEXOO18X II2G Ex ib op is IIB T3 Gb IECEx INE 19.0017X		



- High Methane Sensitivity, down to 0.5 ppm
- Continuous Display from 0 ppm to 100% vol. CH₄
- GPS survey traceability with mobile software
- Audible and Visual Alarms



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