

# Landfill Gas Monitoring Portable Gas Analyzer

The base model for the optimized control and maintenance of landfill gas extraction systems and flares.

Lightweight, hand-held instrument that has been designed and manufactured for use in the most challenging field conditions.

The large battery life Li-ION 20Ah allows detailed gas analysis of 10 hours of continuous operation.

The instrument allows the of Methane (CH<sub>4</sub>), Carbon Dioxide (CO<sub>2</sub>), Oxygen (O<sub>2</sub>) and Hydrogen Sulphide (H<sub>2</sub>S) in many applications like landfills, co-generation plants, etc and is designed to help landfill engineers minimise down time and maximise efficiency.

## Standard Features

The analyzer uses a long life electrochemical cell for O<sub>2</sub> (3-5years), a specific electrochemical cell for H<sub>2</sub>S, and two separate IR sensors for CH<sub>4</sub> and CO<sub>2</sub>, assuring precise and reliable measures.

### ***Infrared for CH<sub>4</sub> and CO<sub>2</sub>***

Range: 0-100% for CO<sub>2</sub> & CH<sub>4</sub>  
Linearity: within +/- 10%  
Zero repeatability: +/- 0,05%  
Span repeatability: +/- 0,1% at 5%, +/- 2% at 100%  
Response time T90: <30s

### ***Electrochemcial cell for O<sub>2</sub>***

Range: 0-25% for O<sub>2</sub>  
Accuracy: +/- 1% f.s.  
Response time T90: <15s  
Average life: 3-5 years

### ***Electrochemical cell fo H<sub>2</sub>S***

Range: 0-2000ppm for H<sub>2</sub>S  
Linearity: 0 to -40 ppm error at f.s., linear at zero and 400ppm H<sub>2</sub>S  
Response time T90: <25s



## Technical Features

**Warning light:** Battery status (on the rear side)  
**Power supply:** Rechargeable Li-Ion 20Ah battery (ca. 10 hours of continuous use)  
**Operating temperature:** 5-40°C  
**Sampling pump:** internal (200ml/min)  
**Warmup time:** less than 60 sec  
**Dimensions and weight:** 230(h) x 210 x 80 mm; 1,2 Kg

## Standard Accessories

- hygroscopic 0,2μ disk filter
- PVC sampling tubing
- battery charger
- plastic bag with shoulder belt, with transparent front cover which allows the reading of the display without opening the bag.

