

# MCA 100 BIO P

## Portable Biogas Analyzer

The MCA 100 Bio is a portable analyzer which is perfectly suited for biogas measurement. It allows the measurement of CH<sub>4</sub>, CO<sub>2</sub>, CO, O<sub>2</sub> and H<sub>2</sub>S gases. It uses the principle of infrared (CH<sub>4</sub>, CO and CO<sub>2</sub>) and electrochemical cells (O<sub>2</sub> and H<sub>2</sub>S). The MCA 100 Bio has been designed for operations requiring site mapping and biogas quality control.

- ✓ **Rental from one day**
- ✓ **Technical assistance included**

### TECHNICAL SPECIFICATIONS

| GAS              | MEASURING RANGES | DETECTION LIMIT | PRECISION | RESOLUTION |
|------------------|------------------|-----------------|-----------|------------|
| CH <sub>4</sub>  | 0-100%           | 0.2%            | 2% p.e.   | 0.01%      |
| CO <sub>2</sub>  | 0-50%            | 0.1%            | 2% p.e.   | 0.01%      |
| CO               | 0-1%             | 0.01%           | 3% p.e.   | 0.01%      |
| O <sub>2</sub>   | 0-25%            | 0.05%           | 3% p.e.   | 0.01%      |
| H <sub>2</sub> S | 0-5000 ppm       | 15 ppm          | 3% p.e.   | 1 ppm      |

### CHARACTERISTICS

|                      |                     |
|----------------------|---------------------|
| OPERATING T°         | 0-70°C              |
| HUMIDITY             | Up to 95%           |
| REFRESHMENT DATAS    | 1 sec               |
| INTERNAL PUMP        | Yes                 |
| ANALOG OUTPUT        | No                  |
| MEASUREMENTS STORAGE | Up to 1000 data     |
| DISPLAY              | 5.7 " touchscreen   |
| GPS                  | 2.8 m               |
| TEMPERATURE          | External probe      |
| COMMUNICATION        | USB                 |
| CONNECTION           | 4 / 6mm             |
| BATTERY              | 4 to 8h autonomy    |
| POWER                | 220V                |
| DIMENSIONS           | 43 x 24.4 x 34.1 cm |
| WEIGHT               | 6 kg                |



### Infrared NDIR



### Electrochemical (ECD)



## KEY POINTS

- Real time measurement
- Graphical history of the last 30 minutes
- Integrated dust filter
- Internal pump
- Data downloadable in csv format via USB

## APPLICATIONS

- Soil gas measurements
- Monitoring of landfills and waste treatment sites
- Biogas quality control
- Measures for methanization and fermentation site
- Measurements of methane in ambient air
- Industries

### For more information

www.cleanaireurope.com  
 cleanair.europe@cleanair.com  
 +33 4 91 87 82 10