

MCA 100 BIO P

Portable Biogas Analyzer

The MCA 100 Bio P is a portable multi-gas analyzer that allows measurement of CH₄, CO₂, and CO gases using infrared technology, and O₂ and H₂S gases using electrochemical cells. The MCA 100 Bio P also includes a temperature probe and a GPS.

- ✓ Rental from one day
- ✓ Technical assistance included



Infrared NDIR



Electrochemical (ECD)



GAS TECHNICAL SPECIFICATIONS

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

TECHNICAL SPECIFICATIONS

| | |
|----------------------|---------------------|
| REFRESHMENT DATAS | 1 sec |
| FLOW | 2l/min |
| 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 |

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

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