

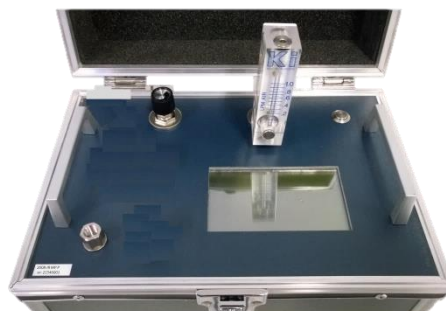
## CO<sub>2</sub>, CO or CH<sub>4</sub> Analyzer

v.03 06/25

### 2008-IR MP



Version Rack 19"



Version portable

#### Main characteristics

- Non dispersive Infra red absorption gas detector
- Non consumable part
- Short response time
- Non cross sensitivity
- Interesting cost

#### Main applications

- Laboratories
- Combustion efficiency industries (boiler, incinerator, furnace)
- atmosphere monitoring industries (heat treatment, greenhouse, fermentation)
- Emission industries (car industry,...)

The 2008-IR MP model is a compact and reliable instrument for specific measurement of CO<sub>2</sub> or CO or CH<sub>4</sub> in gas blending.

The instrument is based on non dispersion Infra red method (NDIR).

The touch sensitive display allows the user to see very quickly all parameters : gas contents, analogue output range, alarm status... and to get access to the menus.

The analyzer integrates some data storing facilities and an automatic calibration on 1 or 2 points function. All data are available on digital interface RS232 or on parallel port.

The IR technology requires a dry gas. The instrument could be coupled to a gas dryer and special filter especially for measurement on flue gases.

Technical specifications may change without previous warning

Ranges

| CO <sub>2</sub> | CO        | CH <sub>4</sub> |
|-----------------|-----------|-----------------|
| 0 – 500 ppm     |           |                 |
| 0 – 1000 ppm    |           |                 |
| 0 – 2000 ppm    |           |                 |
| 0 – 3000 ppm    | 0 – 3 %   | 0 – 1 %         |
| 0 – 5000 ppm    | 0 – 10 %  | 0 – 5 %         |
| 0 – 1 %         | 0 – 30 %  | 0 – 10 %        |
| 0 – 3 %         | 0 – 100 % | 0 – 30 %        |
| 0 – 10 %        |           | 0 – 100 %       |
| 0 – 30 %        |           |                 |
| 0 – 100 %       |           |                 |

Technical Characteristics

|                        | Rack 19" version                        | Portable version     |
|------------------------|-----------------------------------------|----------------------|
| Measurement principle  | Non dispersive infra red absorption     |                      |
| Display                | Digital                                 |                      |
| Accuracy               | ± 2% of full scale                      |                      |
| Repeatability          | ± 1% of full scale                      |                      |
| Drift                  | Less than ± 2.0% of full scale          |                      |
| Operating temperature  | From +5 to +50°C                        |                      |
| Response time          | T <sub>90</sub> < 10sec.                |                      |
| Sensor                 | Temperature monitored at 50°C           |                      |
| Pressure               | 1 bar max.                              |                      |
| Flow gas               | 0.5 L/min recommended                   |                      |
| Output signals         | 4 – 20 mA, 0 -1 V, RS232, parallel port |                      |
| Power supply           | 230 VAC, 50/60 Hz                       | Rechargeable battery |
| Dimensions (L * H * P) | 483 * 133 * 400 mm                      | 260 * 190 * 305 mm   |
| Weight                 | 10 kg                                   | 7 kg                 |

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| Device                                 |                          |         |
|----------------------------------------|--------------------------|---------|
| 2008-IR to measure the CO <sub>2</sub> |                          | ARCMP60 |
| 2008-IR to measure the CO              |                          | ARCMP70 |
| 2008-IR to measure the CH <sub>4</sub> |                          | ARCMP80 |
| Voltage                                |                          |         |
| 230 VAC                                |                          | 0       |
| 110 VAC                                |                          | 1       |
| Analyzer type                          |                          |         |
| Sensor integrated in Rack instrument   |                          | -       |
| Portable analyzer                      |                          | P       |
| Range                                  |                          |         |
| 0 – 500 ppm                            | Only for CO <sub>2</sub> | A       |
| 0 – 1000 ppm                           | Only for CO <sub>2</sub> | B       |
| 0 – 2000 ppm                           | Only for CO <sub>2</sub> | C       |
| 0 – 3000 ppm                           | Only for CO <sub>2</sub> | D       |
| 0 – 5000 ppm                           | Only for CO <sub>2</sub> | E       |
| 0 – 1 %                                | Except CO                | F       |
| 0 – 3 %                                | Except CH <sub>4</sub>   | G       |
| 0 – 5 %                                | Except CO                | H       |
| 0 – 10 %                               |                          | I       |
| 0 – 30 %                               |                          | J       |
| 0 – 100 %                              |                          | K       |

| Separated options      |                                                     |           |
|------------------------|-----------------------------------------------------|-----------|
| Power interface box    | Alarm relay, management of automatic calibration... | ARC00578+ |
| Internal membrane pump | Only for portable instruments                       | OPTPOMPE  |

| Spare parts |  |  |
|-------------|--|--|
|             |  |  |

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