

► Qualitair Pro

Carbon dioxide (CO₂) monitoring unit



Part 1

Part 2

Part 1 - Controller and display

Temperature range (gas/environment): 0°C to +45°C

Monitored gas: carbon dioxide (CO₂): 0-50,000 ppm (5% Vol.), NDIR sensor

Gas sampling mode: diffusion

Alarm contacts:

- 1 potential-free rocker contact for activation of external devices (NO / NC) on alarm 1
- Value: 30 V DC / 250 V AC, max 2 A

Alarm thresholds:

Alarm 1: 0.5 / 1 / 1.5 / 2% Alarm 2: 1.5 / 2 / 2.5 / 3 / 3.5 / 4%

Menu options:

Controller and remote display connection test, calibration, °C or °F selection, alarms 1 and 2, factory settings

Display:

- Digital, 4 digits, 0 to 9999 ppm gas concentration display
- Digital, 3 digits, 0 to 5% Vol. gas concentration display
- 3 other digits for °C or °F temperature
- LED alarm status indicators 1 and 2 and for tension monitoring

Function keys: reset, menu selection, enter

Safety:

Wrong values, EEPROM, internal data transfer self-control

Housing: plastic, IP 54, splash-water proof

Part 2 - Remote display

Temperature range (gas/environment): 0°C to +45°C

Menu options: controller – remote display connexion test, °C or °F selection

Display:

- Digital, 4 digits, 0 to 9999 ppm gas concentration display
- Digital, 3 digits, 0 to 5% Vol. gas concentration display
- 3 other digits for °C or °F temperature
- LED alarm status indicators 1 and 2 and for tension monitoring

Function keys:

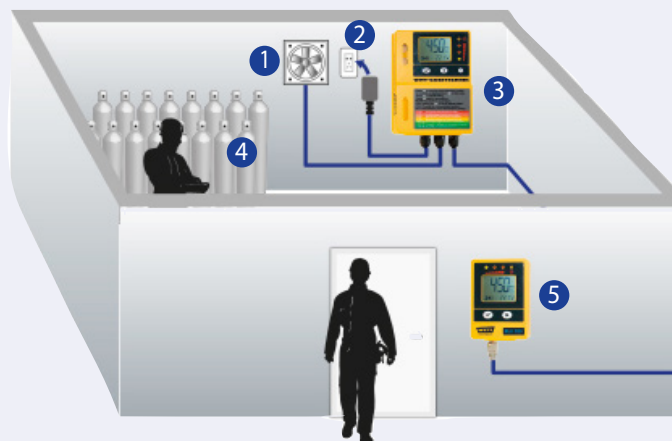
Control, reset, menu selection, enter, °C or °F selection

Housing: Plastic, IP 54, splash-water proof

Dimensions (HxLxP): 118 x 85 x 34 mm (without fittings)

Power supply: by cable connected to the controller

Certifications: ISO 9001 certified manufacturer, CE marking by: CEM 2004/108/CE - 2006/95/CE low voltage standard



- | | |
|------------------------|------------------------|
| ① Ventilation (option) | ④ Gas cylinder |
| ② AC adapter | ⑤ Remote display (RDU) |
| ③ Controller (SEU) | |

The RDU copies and displays the measurements made by the SEU on an easy-to-read LCD display along with important safety information.

It is connected to the SEU with a cable which has a 8 m maximum length and must be placed outside the room where the SEU is installed. The RDU should be placed where it can easily be seen before entering.