

Ambient Air Monitoring System RLA 100 for the detection of carbon dioxide (CO₂).

Benefits

- 2 alarm limits (adjustable)
- digital displays as soon as 4 LEDs for continuous visual monitoring of the gas concentration
- easily accessible potential free change-over contact by cable at lower side on front
- Control and Display Unit with integrated alarm device (alarm lamp and -buzzer)
- easy wall mounting

Components of system

1. Control and Display Unit
2. Remote Display Unit
3. Cable for connection of Remote Display Unit and Control Display Unit

Options

- other gases on request



Caution!

The unit must be calibrated regularly also at initial startup!

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| Type ① | Control and Display Unit |
| Temperature range (gas/environment) | 0 °C to +45 °C (+32 °F to +113 °F) |
| Measured gas | carbon dioxide (CO ₂): 0 up to 50,000 ppm (5%) (Vol.), NDIR-measuring cell |
| Sample gas supply | diffusion |
| Alarm contacts | - 1 volt-free change-over contact for activation of external devices (NO/NC) at alarm 1 - Rated: 30 V DC / 250 V AC, max 2 A |
| Alarm limits | alarm 1 0.5 / 1 / 1.5 / 2% alarm 2 1.5 / 2 / 2.5 / 3 / 3.5 / 4% |
| Menu items | check of connection between control and display unit and remote display unit, calibration, change over from °C to °F, alarms 1, 2 and factory setting |
| Display | - digital, 4 digits, for display of gas concentration with range 0 up to 9999 ppm - digital, 3 digits, for display of gas concentration with range 1 up to 5% - additional digital, 3 digits, for measurement of temperature in °C or °F - LEDs indicating operation, alarm status and monitoring of voltage |
| Function keys | reset, menu selection, enter |
| Safety | continuous self check of temperature range, life time of sensor, implausible measured values, EEPROM system, internal data transfer |
| Housing | plastics, IP 54, splash proof |
| Dimensions (HxWxD) | 168 x 125 x 47 mm (6.61 x 4.92 x 1.85 inches) (without connections) |
| Voltage | 100-240 V AC, 50/60 Hz |

| | |
|--|---|
| Type ② | Remote Display Unit |
| Temperature range (gas/environment) | 0 °C to +45 °C (+32 °F to +113 °F) |
| Menu items | check of connection between control and display unit and remote display unit, change over from °C to °F |
| Display | - digital, 4 digits, for display of gas concentration with range 0 up to 9999 ppm - digital, 3 digits, for display of gas concentration with range 1 up to 5% - additional digital, 3 digits, for measurement of temperature in °C or °F - LEDs indicating operation, alarm status and monitoring of voltage |
| Function keys | check, reset, menu selection, enter, change over of °C to °F |
| Housing | aluminium, IP 54, splash proof |
| Dimensions (HxWxD) | 118 x 85 x 34 mm (4.65 x 3.35 x 1.37 inches) (without connections) |
| Voltage | via data cable to control and display unit |
| Approvals | Company certified according to ISO 9001 CE-marked according to: - EMC 2014/30/EU - Low Voltage Directive 2014/35/EU |
| Tested | according to EN 61326-1:2006 Report No.: 15030010 001 |