

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!

Type ①	Control and Display Unit	Type ②	Remote Display Unit
Temperature range (gas/environment)	0 °C to +45 °C (+32 °F to +113 °F)	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	Menu items	check of connection between control and display unit and remote display unit, change over from °C to °F
Sample gas supply	diffusion	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
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	Function keys	check, reset, menu selection, enter, change over of °C to °F
Alarm limits	alarm 1 0.5 / 1 / 1.5 / 2% alarm 2 1.5 / 2 / 2.5 / 3 / 3.5 / 4%	Housing	aluminium, IP 54, splash proof
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	Dimensions (HxWxD)	118 x 85 x 34 mm (4.65 x 3.35 x 1.37 inches) (without connections)
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	Voltage	via data cable to control and display unit
Function keys	reset, menu selection, enter	Approvals	Company certified according to ISO 9001 CE-marked according to: - EMC 2004/108/EC - Low Voltage Directive 2006/95/EC
Safety	continuous self check of temperature range, life time of sensor, implausible measured values, EEPROM system, internal data transfer	Tested	according to EN 61326-1:2006 Report No.: 15030010 001
Housing	plastics, IP 54, splash proof		
Dimensions (HxWxD)	168 x 125 x 47 mm (6.61 x 4.92 x 1.85 inch) (without connections)		
Voltage	100-240 V AC, 50/60 Hz		