

**GAS ANALYSERS**

**Ambient Air Monitoring System  
RLA 100 for the detection of  
carbon dioxide (CO<sub>2</sub>).**

**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

Product Information

<b>Type ①</b>	<b>Control and Display Unit</b>
<b>Temperature range (gas/environment)</b>	0 °C to +45 °C (+32 °F to +113 °F)
<b>Measured gas</b>	carbon dioxide (CO <sub>2</sub> ): 0 up to 50,000 ppm (5%) (Vol.), NDIR-measuring cell
<b>Sample gas supply</b>	diffusion
<b>Alarm contacts</b>	- 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
<b>Alarm limits</b>	alarm 1 0.5 / 1 / 1.5 / 2%  alarm 2 1.5 / 2 / 2.5 / 3 / 3.5 / 4%
<b>Menu items</b>	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
<b>Display</b>	- 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
<b>Function keys</b>	reset, menu selection, enter
<b>Safety</b>	continuous self check of temperature range, life time of sensor, implausible measured values, EEPROM system, internal data transfer
<b>Housing</b>	plastics, IP 54, splash proof
<b>Dimensions (HxWxD)</b>	168 x 125 x 47 mm (6.61 x 4.92 x 1.85 inch) (without connections)
<b>Voltage</b>	100-240 V AC, 50/60 Hz

<b>Type ②</b>	<b>Remote Display Unit</b>
<b>Temperature range (gas/environment)</b>	0 °C to +45 °C (+32 °F to +113 °F)
<b>Menu items</b>	check of connection between control and display unit and remote display unit, change over from °C to °F
<b>Display</b>	- 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
<b>Function keys</b>	check, reset, menu selection, enter, change over of °C to °F
<b>Housing</b>	aluminium, IP 54, splash proof
<b>Dimensions (HxWxD)</b>	118 x 85 x 34 mm (4.65 x 3.35 x 1.37 inch) (without connections)
<b>Voltage</b>	via data cable to control and display unit

<b>Approvals</b>	Company certified according to ISO 9001 CE-marked according to: - EMC 2004/108/EC - Low Voltage Directive 2006/95/EC
<b>Tested</b>	according to EN 61326-1:2006 Report No.: 15030010 001

Technical Data