

# User Manual

PCE-AC 2000 CO<sub>2</sub> Analyser



User manuals in various languages (français, italiano, español, português, nederlands, türk, polski, русский, 中文) can be found by using our product search on: [www.pce-instruments.com](http://www.pce-instruments.com)

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## 1 Safety notes

Please read this manual carefully and completely before you use the device for the first time. The device may only be used by qualified personnel and repaired by PCE Instruments personnel. Damage or injuries caused by non-observance of the manual are excluded from our liability and not covered by our warranty.

- The device must only be used as described in this instruction manual. If used otherwise, this can cause dangerous situations for the user and damage to the meter.
- The instrument may only be used if the environmental conditions (temperature, relative humidity, ...) are within the ranges stated in the technical specifications. Do not expose the device to extreme temperatures, direct sunlight, extreme humidity or moisture.
- Do not expose the device to shocks or strong vibrations.
- The case should only be opened by qualified PCE Instruments personnel.
- Never use the instrument when your hands are wet.
- You must not make any technical changes to the device.
- The appliance should only be cleaned with a damp cloth. Use only pH-neutral cleaner, no abrasives or solvents.
- The device must only be used with accessories from PCE Instruments or equivalent.
- Before each use, inspect the case for visible damage. If any damage is visible, do not use the device.
- Do not use the instrument in explosive atmospheres.
- The measurement range as stated in the specifications must not be exceeded under any circumstances.
- Non-observance of the safety notes can cause damage to the device and injuries to the user.

We do not assume liability for printing errors or any other mistakes in this manual.

We expressly point to our general guarantee terms which can be found in our general terms of business.

If you have any questions please contact PCE Instruments. The contact details can be found at the end of this manual.

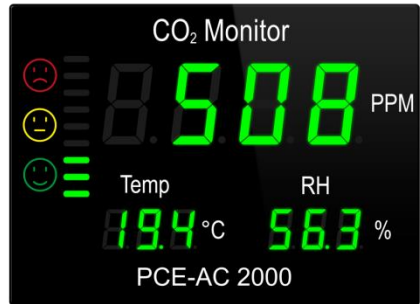
## 2 Device description

### 2.1 Front side / CO<sub>2</sub> traffic light

CO<sub>2</sub> good / green:  
0 ... 599 ppm

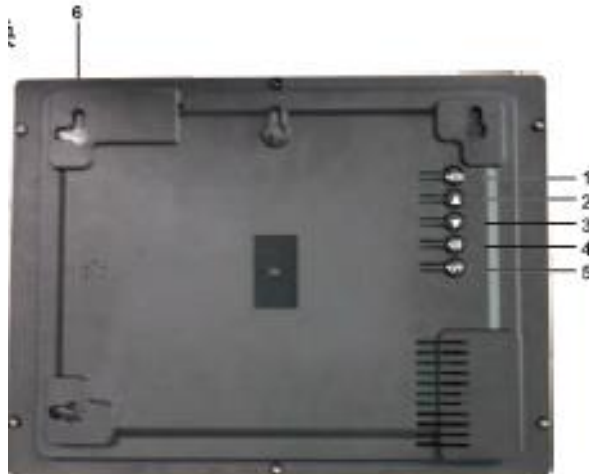
CO<sub>2</sub> OK / yellow:  
600 ... 1199 ppm

CO<sub>2</sub> poor / red:  
1200 ... 9999 ppm



### 2.2 Rear side

1. Mode key
2. Up key
3. Down key
4. Alarm key
5. °C / °F key
6. Socket for power supply



### 3 Technical specifications

<b>CO<sub>2</sub></b>	
Measurement range	0 ... 9999 ppm
Accuracy	±70 ppm ±5 % of rdg.
Resolution	1 ppm
<b>Temperature</b>	
Measurement range	-10 ... 100 °C
Resolution	0.1 °C
Accuracy	±1.5 °C
<b>Relative humidity</b>	
Measurement range	0 ... 99.9 % RH
Resolution	0.1 % RH
Accuracy	±3 %
<b>General</b>	
Traffic light function	green: 0 ... 599 ppm yellow: 600 ... 1199 ppm red: 1200 ... 9999 ppm
Alarm	adjustable, audible
Repeatability	<±0.5 %
Response time	10 s
Operating conditions	0 ... 50 °C, 0 ... 90 % RH, non-condensing
Storage conditions	-30 ... 70 °C, 0 ... 90 % RH, non-condensing
Power supply	via mains adaptor 9 VDC, 350 mA
Dimensions	388 x 288 x 43 mm
Weight	approx. 2420 g

### 4 Operation

#### 4.1 Power on CO<sub>2</sub> analyser

As soon as you connect the mains adaptor to the CO<sub>2</sub> analyser via the plug socket, the analyser will power on. The initialisation time is 7 seconds. The meter displays a countdown. After the time has elapsed, the unit is ready for operation.

#### 4.2 Switch unit

Press the °C/°F key to switch the unit for the temperature between °C and °F.

#### 4.3 Set alarm

Press the mode key to set the alarm. Use the arrow keys to adjust the alarm value up or down. Once the desired value has been set, press the mode key to save the setting.

Note: An alarm value of 1200 ppm is set at the factory.



## 5 Contact

If you have any questions, suggestions or technical problems, please do not hesitate to contact us. You will find the relevant contact information at the end of this user manual.

## 6 Disposal

For the disposal of batteries in the EU, the 2006/66/EC directive of the European Parliament applies. Due to the contained pollutants, batteries must not be disposed of as household waste. They must be given to collection points designed for that purpose.

In order to comply with the EU directive 2012/19/EU we take our devices back. We either re-use them or give them to a recycling company which disposes of the devices in line with law.

For countries outside the EU, batteries and devices should be disposed of in accordance with your local waste regulations.

If you have any questions, please contact PCE Instruments.



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