



CO2 Analyzer

PCE-AC 3000

PCE Americas Inc.
711 Commerce Way
Suite 8
Jupiter
FL-33458
USA
From outside US: +1
Tel: (561) 320-9162
Fax: (561) 320-9176
info@pce-americas.com

PCE Instruments UK Ltd.
Units 12/13
Southpoint Business Park
Ensign way
Hampshire / Southampton
United Kingdom, SO31 4RF
From outside UK: +44
Tel: (0) 2380 98703 0
Fax: (0) 2380 98703 9
info@pce-instruments.com

EN

www.pce-instruments.com/english
www.pce-instruments.com

PCE-AC 3000 is a portable handheld CO2 analyzer used to measure, monitor and record ambient temperature (°C / °F) and carbon dioxide (CO2) gas levels indoors. This accurate, affordable indoor air quality meter features an adjustable alarm with audible and visual signals.

- Measurement range for CO2: 0 ... 3000 ppm
- Measurement range for ambient temperature: -20 ... +50 °C / +32 ... +122 °F
- Memory: Stores 48 sets of CO2 and temperature data for the past 24 hours; one log per 30 minutes
- Max. / min. mode can record the maximum and minimum concentration of CO2 since the device was last turned on
- Alarm mode will sound at 1000 PPM, the ASHRAE limit (alarm sound can be turned on / off)
- Outside mode is used to modify the outside CO2 concentration, for defining the ventilation rate
- Cali mode calibrates the sensor while the reading deviates from the actual CO2 concentration
- Alti mode compensates the pressure changes with appropriate altitude of measurement location

Technical specifications

Performance - CO2

Measurement range: 0 ... 3000 ppm

Display resolution: 1 ppm at 0 ... 1000 ppm; 5 ppm at 1000 ... 2000 ppm; 10 ppm at 2000 ... 3000 ppm

Accuracy: ± 50 ppm or $\pm 5\%$ of reading

Repeatability: ± 20 ppm

Temperature dependence: $\pm 0.1\%$ of reading per °C, whichever is greater, referenced to 25 °C

Pressure dependence: 0.13% of reading per mm Hg (corrected via user input for altitude)

Response time: < 2 minutes for 63% of step change

Warm-up time: < 60 seconds at 22 °C

Performance - Temperature

Measurement range: -20 ... +50 °C / +32 ... +122 °F

Display resolution: 0.1 °C / 0.1 °F

Display options: °C / °F or off (set with up / down button)

Accuracy: ± 1 °C / ± 2 °F

Response time: 20-30 minutes (case must equilibrate with environment)

See user manual for complete technical specifications.

Delivery content

1 x PCE-AC 3000 CO2 analyzer

4 x 1.5 AA batteries

1 x external AC / DC adapter

1 x user manual