

Carbon Dioxide Meter

Gasman

Single Gas Detector for Personal Protection with ATEX Approval for Flammable Gases (Ex), Oxygen (O₂) or Toxic Gases (CO, CO₂, H₂S, ...)

- freely adjustable alarm level / vibration alarm, LED alarm, beeper
- comfortable to carry all day long / can be used in Ex areas
- protection class: dust- and waterproof IP 65 / 67
- LC display with backlight
- internal calibration via keypad
- data logger function



Gas types available

Model	Gas	Meas. range	Alarm
Gasman-CL2	chlorine	0...20 ppm	0.5 ppm
Gasman-CO	carbon monoxide	0 ... 500 ppm	30 ppm
Gasman-CO2	carbon dioxide	0 ...5 vol %	0.5 u. 1.5 vol %
Gasman-FL	flammable gases	0 ... 100 % UEG	20 % UEG
Gasman-H2	hydrogen	0 ... 2.000	100 ppm
Gasman-H2S	hydrogen sulfide	0 ... 100 ppm	5 ppm
Gasman-NH3	ammonia	0 ... 100 ppm	25 ppm
Gasman-NO2	nitrogen dioxide	0 1 ppm	1 ppm
Gasman-O2	oxygen	0 ...25 vol%	19 u. 23 vol %
Gasman-O3	ozone	0 ... 1 ppm	0.1 ppm
Gasman-SO2	sulphur dioxide	0 ... 10 ppm	1 ppm

TOP
seller

TECHNICAL SPECIFICATIONS

Response time	flammable gases 20 s, toxic gases 20 s, oxygen 10 s
Alarm	acoustic (95 dBA), visual (LED red / blue), internal vibration
Sampling	optional hand-operated bellows pump
Data protocol	capacity for 5000 events, including: switch on / off, battery level, activated / deleted alarms, peak values, passed or failed gas test, all events time-stamped
Memory	pre-set: 900 hours of storage at 1 min. intervals, storage intervals can only be changed using the software
Interface	RS-232 via module in charger, USB adaptor optional
Calibration	routinely by means of Autocalibrator II or via PC software
Display	LCD with backlight, battery level indicator, indicates when calibration and maintenance is necessary
Indication	real-time gas values, retrievable peak values and TWA
Power supply	rechargeable lithium ion battery (flammable gases, CO ₂) / non-rechargeable lithium cell (toxic gases and oxygen)
Op. conditions	-20 ... +55 °C / 0 ... 99 % RH
Approvals	ATEX II 1G EEx ia IIC T4 (ambient temp. -20 ... +55 °C) toxic gases and oxygen / ATEX II 2G EEx iad IIC T4 (oper. temp. -20 ... +55 °C) flammable gases
Norms	EN50014, EN50020, EN50018, 94/9/EC, EN50270, EN50271, EN61779 software designed to meet IEC61508

INCLUDES

Gas detector with sensor, pocket clip, battery or Li-Ion battery with charger (depending on the gas), calibration certificate, instruction manual

ITEM NO.

ITEM

K-Gasman-Cl2	chlorine detector
K-Gasman-CO	carbon monoxide detector
K-Gasman-CO2	carbon dioxide detector, with charger
K-Gasman-FL	flammable gases detector, with charger
K-Gasman-H2	hydrogen detector
K-Gasman-H2S	hydrogen sulfide detector
K-Gasman-NH3	ammonia detector
K-Gasman-NO	nitrogen monoxide detector
K-Gasman-NO2	nitrogen dioxide detector
K-Gasman-O2	oxygen detector
K-Gasman-O3	ozone detector
K-Gasman-SO2	sulphur dioxide detector

OPTIONAL ACCESSORIES

K-LADE-G-N	230 V charger
K-LADE12V-G-N	12 V vehicle recharger cable
K-INT-G-N	230 V charger with data interface
K-SW-G-N	software for PC
K-RS232-G-N	RS-232 data cable
K-RS232-USB	adaptor RS-232 to USB interface
K-ASP-G-N	hand-operated bellows suction pump (not for O ₂ , Cl ₂ and NO ₂)
K-CAL-G-N	calibration and maintenance (e. g. every 6 months)

Gas Detector / Carbon Dioxide Meter

PCE-AC 4000

Large CO₂ Display up to 5000 ppm

- display in A4 format
- simultaneous indication of CO₂, temperature and RH
- adjustable acoustic alarm
- temperature units °C and °F
- status displayed via coloured LED indicators (green-good / yellow-acceptable / red-bad)



TECHNICAL SPECIFICATIONS

Meas. Range CO ₂	0 ... 5000 ppm
Accuracy	±75 ppm +5 % of reading
Alarm	1000 ppm standard (adjustable)
Temp. range	0 ... +50 °C
Accuracy	±1 °C (0 ... +40 °C), otherw. ±1.5 °C
RH range	10 ... 90 % RH
Accuracy	±5 % RH (+25 °C), or ±7 % RH
Display	CO ₂ (2.3" / 56.8 mm), temperature / RH (0.8" / 20.4 mm)
Power supply	12 V / 1 A
Op. conditions	0 ... +50 °C / <80 % RH
Dimensions	approx. 300 x 210 x 50 mm

INCLUDES

Large CO₂ display, mains adaptor, case, instruction manual

ITEM NO. ITEM

K-PCE-AC 4000 large CO₂ display



IAQ Series

Indoor Air Quality Meter

- AVG, MIN / MAX functions
- NDIR sensor / measures CO₂ in real time (ppm)
- **further functions of the IAQ7525**
- manual / continuous storage (intervals 1s ... 1h)
- includes LogDat2™ software and connection cable
- calculates percentage of fresh air on basis of CO₂
- measures humidity, dew point & wet bulb temp.



TECHNICAL SPECIFICATIONS

Model	IAQ7515	IAQ7525
Meas. range CO ₂	0 ... 5000 ppm	0 ... 5000 ppm
Accuracy	±3 % of reading or ±50 ppm	±3 % of reading or ±50 ppm
Temperature	---	0 ... +50 °C
Accuracy / Resol.	---	±0.6 °C / 0.1 °C
Air humidity	---	5 ... 95 % RH
Accuracy	---	±3 % / 0.1 % RH
Memory	---	12700 values
Power supply	4 x 1.5V AA batteries	4 x 1.5V AA batteries
Op. conditions probe	-10 ... +60 °C	-10 ... +60 °C
Dimensions probe	integrated	Ø 19 x 283 mm
Dim. / weight of device	244 x 84 x 44 mm / 270 g	244 x 84 x 44 mm / 270 g

INCLUDES

Air quality meter, calibration certificate, (IAQ7525 comes with software & data cable), instruction manual

ITEM NO. ITEM

K-IAQ7515 CO₂ meter
K-IAQ7525 CO₂ meter with memory

OPTIONAL ACCESSORIES

K-CAL-IAQ-7515 ISO calibration certificate
K-CAL-IAQ-7525 ISO calibration certificate

PCE-AC 3000

Indoor Carbon Dioxide Meter

- wide CO₂ measurement range up to 3000 ppm
- with RJ45 switched output
- 24 hours data logger function
- adjustable limit value alarm for CO₂
- can be reset to factory defaults
- acoustic alarm



TECHNICAL SPECIFICATIONS

Meas. range CO ₂	0 ... 3000 ppm
Resolution	1 ppm (at 0 ... 100 ppm) 5 ppm (at 1000 ... 2000 ppm) 10 ppm (at 2000 ... 3000 ppm)
Accuracy	±5 % of reading or ±50 ppm
Temperature	-20 ... +50 °C
Resolution	0.1 °C
Accuracy	±1% or ±1 °C
Memory	48 values
Power supply	4 x 1.5 V AA batteries or mains ad.
Op. conditions	+5 ... +50 °C
Dimensions / weight	165 x 80 x 23 mm / 600 g

INCLUDES

Air quality meter, 4 x 1.5 V AA batteries, mains adaptor, instruction manual

ITEM NO. ITEM

K-PCE-AC 3000 CO₂ meter



CDL 210

CO₂ & Climate Data Logger

- measures and displays temperature and air humidity
- acoustic signal when pre-set CO₂ value is exceeded
- simultaneous indication of CO₂, temperature and humidity
- memory: 5300 series of measurements / USB interface
- wide CO₂ measurement range of up to 2000 ppm



TECHNICAL SPECIFICATIONS

Meas. range CO ₂	0 ... 2000 ppm / NDIR principle
Accuracy / resol.	50 ppm ±5 % / 1 ppm (0 ... 100 ppm)
Temperature	-10 ... +60 °C
Accuracy / resol.	±0.6 °C / 0.1 °C
Air humidity	5 ... 95 %
Accuracy / resol.	±3 % / 0.1 %
Display	shows all parameters at once
Memory	5300 series of measurement values
Log data / rate	up to 16000; 3 / 10 / 30 s 1 / 3 / 10 / 30 min.; 1 / 3 / 4 h
Power supply	5V ac mains adaptor / 0.5 A
Dimensions	120 x 100 x 110 mm

INCLUDES

Data logger CO₂ and climate, mains adaptor, data cable, PC software, instruction manual

ITEM NO.	ITEM
K-CDL 210	CO ₂ data logger

Note:

Manual calibration should be done on a clear day outside, e.g. on an exterior window sill where the level of CO₂ is approximately 400 ppm.

RLA 100

Gas Detection System to Detect Carbon Dioxide (CO₂)

- detects carbon dioxide (CO₂)
- 2 adjustable alarm limits
- 4-digit digital display
- continuous visual surveillance possible
- potential-free change-over contact
- integrated alarm transmitter
- can easily be mounted to a wall
- three system components



TECHNICAL SPECIFICATIONS

Gas detector	
Sample gas	carbon dioxide (CO ₂): 0 ... 50000 ppm (5 %) (vol.), NDIR sensor
Gas entry	by diffusion
Alm. contacts	1 potential-free change-over contact to control external devices (NO/NC) for alarm 1; switching capacity: 30 V dc / 250 V ac, max. 2 A
Alam limits	alarm 1: 0.5 / 1 / 1.5 / 2 % alarm 2: 1.5 / 2 / 2.5 / 3 / 3.5 / 4 %
Menu items	supervision of device connection, calibration, unit switching, alarm 1, 2 and factory settings
Display	4-digit display for concent. in range ppm; 3 digit display for concent. in range %; LEDs for operation, Alarm 1, 2 y monitoring of voltage supply
Safety	Continuous self-surveillance, sensor life-time, unplausible measurement values, EEPROM system, internal data transfer
Power supply	Adaptor 100 ... 240V AC, 50/60 Hz
Case	Plastic, IP 54, splash resistant
Op. conditions	0 ... +45 °C
Dimensions	168 x 125 x 47 mm (without connections)



Control unit	
Power supply	via data cable connected to gas detector
Op. conditions	0 ... +45 °C
Menu items	Control connection between the PC measuring the gas and the gas alerter Change from °C to °F
Display	4-digit indication for content in ppm; 3-digit indication for content in %; additional indication for temperature; LEDs for operation, alarm 1 and 2 and monitoring of voltage supply
Case	aluminium, IP 54, splash proof
Dimensions	118 x 85 x 34 mm (without connections)

INCLUDES

Gas detection system, instruction manual

ITEM NO.	ITEM
K-RLA 100	gas detection system

OPTIONAL ACCESSORIES

K-CAL-RLA	ISO calibration certificate
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