



ClipSens PRO CO₂

01 PRODUCT DESCRIPTION

The ClipSens PRO CO₂ is a single gas sustainable gas monitor designed to detect Carbon Dioxide (CO₂) in the ambient environment. The ClipSens PRO CO₂ is sustainable, hence its battery and sensor can be replaced. When the device is turned on, the ClipSens PRO CO₂ continuously monitors ambient air for the presence of CO₂ and alerts the user to potentially unsafe exposure with LED, vibrating and audible alarms. After use the instrument can be turned off. With an excellent battery life of 14 days and a recharge time of only 100 minutes, the ClipSens PRO CO₂ offers great versatility for any user.

The ClipSens PRO CO₂ is easy to wear, the backside of the device has a strong metal clip (alligator clip) to secure the monitor to a shirt, belt, or helmet. It features a fully-fledged data log to log the current reading at one-minute intervals. The device is easy to calibrate or bump test manually. To stop the ClipSens PRO CO₂ from measuring, is either by turning it off or by entering the calibration mode.

02 KEY FEATURES

- Infrared non-dispersive sensor (NDIR)
- Rugged durable impact proof housing
- 14 days battery life, full recharge in 100 minutes
- Eventlog that stores 30 most recent events
- Datalog that stores up to 64000 datapoints

03 TECHNICAL SPECIFICATIONS

Sensor technology	Non-dispersive Infrared (NDIR)
Measuring range	0-5 % vol CO ₂ or 0-50.000 ppm CO ₂
High / Low alarms	0,5 % vol (5.000 ppm) / 1,0 % vol (10.000 ppm)
Resolution	10 ppm
Medición	Difusión
Response Time	T ₉₀ ≤ 60 sec
Sensor Life	5 years (expected)
Calibration	Manual 2-point calibration
Display	LCD Display
Alarm signal	Acoustic: 90dB @ 10 cm
	Visual: Red flashing LED's Vibration: Vibration alarm
Alarm types	High Alarm, Low Alarm, TWA Alarm, STEL Alarm, Over range Alarm, Battery low warning, Calibration due warning
Battery	Li-ion recargable (500 mAh)
Battery charging time	100 minutes
Temperature	-20 °C ~ +50 °C
Humidity	5% ~ 95% RH (non-condensing)
Housing	Rubber enclosed polycarbonate
Included accessories	Calibration cap, USB-C charger (Usable worldwide), User manual, Factory calibration certificate
Size	54(W) x 99,5(H) x 38(D) mm
Weight	135 g
Operating time	14 days
Datalog	Stores up to 64000 datapoints
Event log	30 Most recent events (overwriting)
IP-Rating	IP67
Warranty	24 Months factory warranty
Safety certifications	ATEX: Non-ATEX, CE; 2014/30/EU, RoHS 2
EMI/RFI	EMC directive (2014/30/EU)

04 APPLICATIONS

- Food and beverage industries
- Laboratories
- Health Science
- Refrigeration
- Packaging industry
- Greenhouse facilities

05 ACCESSORIES



Calibration Gas for CO₂ (Span) and N₂ (Fresh-Air)



Fixed Flow Regulator



Last-O-More Gas Sampling Hose



ClipSens Sampling Pump

06 ORDERING INFORMATION

Reference	Gas	Range	Sensor
CS-012-00	CO ₂	0 – 5,0 % vol	Infrared non-dispersive (NDIR)