

pSENSE II

CO₂-, Temperature- and RH instrument with built-in data logger



pSENSE II™ is a hand-held and portable data logger, with rechargeable batteries and power adaptor. The instrument displays and records temperature, relative humidity, CO₂, and calculates parameters such as dew point and wet-bulb temperature.

pSENSE II™ can be run in different modes such as; MIN/MAX/AVG review mode, has multiple logging related modes, and displays active measurements too. Through supplied USB cable and **pSENSE II™** software, logs can easily be analyzed on a computer.

APPLICATIONS

pSENSE II™ data logger is suitable for analyzing ventilation needs, Indoor Air Quality assessments before retrofitting or installing HVAC systems. The unit can be used as a portable fresh air indicator for e.g. teachers in classrooms or anywhere else where fresh air in general is important.

STANDARD SPECIFICATION

Art.No	00-0-0030
Measured gas	Carbon dioxide (CO ₂)
Operating principle	Non-dispersive infrared (NDIR)
Measurement range CO ₂	0 – 9999ppm
Accuracy ¹	±30ppm ±5% of reading @ 0 – 5000ppm
Extended accuracy (>5000ppm)	±10% of reading
Measurement range Temp	-20 – 60°C
Accuracy	±0.3°C
Measurement range RH	0.1% – 99.9%RH
Accuracy	±3% (10–95% @ 25°C)
Dimensions	234mm x 77mm x 42mm
Operation temperature range	0 – 50°C
Power supply	9VDC

¹Accuracy is specified over operating temperature range at normal pressure 101.3kPa. Specification is referenced to certified calibration mixtures. Uncertainty of calibration gas mixtures (±1%) is added to the specified accuracy for absolute measurements.

KEY BENEFITS

- Portable and hand-held unit; CO₂, temperature, RH, dew point and wet-bulb temperature
- Data logger functionality (Timestamp + CO₂ + Temp + RH) with large memory
 - 6000 entries of running log memory
 - 99 entries of manual log
- Audible alarm with configurable functionality and set-point level
- Rechargeable batteries (battery-time: 50+ hours) and power adaptor for continuous operation included.
- Easy-to-use menus, settings and recalibration procedures