pSENSE II

CO$_2$-, 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, CO$_2$, 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

[1]Accuracy 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; CO$_2$, temperature, RH, dew point and wet-bulb temperature

- Data logger functionality (Timestamp + CO$_2$ + 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