CO_2 MONITOR

Carbon Dioxide, Temperature & Relative Humidity monitor for the education sector.

HIGH-QUALITY | EASY TO USE | USB POWERED

The Merlin CO_2 Desktop Monitor is designed specifically for use in classrooms to monitor the air and help improve ventilation. This low cost unit provides teachers with a clear indication of the CO_2 levels, humidity and temperature.

The sensor can be wall mounted or located on the teachers desk. Each unit comes with a 1 meter cable which can plug into the mains plug provided or via your PC USB drive.

S&S™ NORTHERN

www.snsnorthern.com

Helping to reduce the risk of airbourne transmission of viruses in the classroom.

KEY FEATURES

- Monitors Temperature, Humidity and CO_2
- Desktop or wall mountable
- USB Powered – PC/mains adapter
- Low drift NDIR CO_2 sensor with long lifespan
- Bold multicoloured indication
- Audible and visual alarm
- Touch button operation
- Auto-calibration & Manual Calibration
- Built-in backup battery
- HD Large, easy to read display
- Date and Time display

EASY TO READ TRAFFIC LIGHT SYSTEM

The indicators on the left of the monitor will change when CO_2 is increasing in the classroom, this will happen when occupancy levels rise.

The CO_2 monitor will always be above 400ppm as carbon dioxide is in the air we breath.

Green (400—800ppm) Good Air Quality

Amber (800-1500ppm) Improve ventilation

Red (>1500ppm) Improve Ventilation

For further information please consult your instruction manual or visit **www.snsnorthern.com**

SPECIFICATION

Typical test conditions: Ambient Temp: 23 3 3°C, RH 50%-70-%, Altitude = 0-100 Meters

MEASUREMENT	SPECIFICATIONS
Operating Temperature	32°F ~ 122°F (0°C ~ 50°C)
Storage Temperature	14°F ~ 140°F (-10°C~ 50°C)
Operating & storage RH	0-95% (non-condensing)
CO_2 MEASUREMENT	
0-3000ppm	±50 ppm + 5% of reading
>3000ppm	ppm + 7% of reading
Measuring Range	0-5000 ppm
Display Resolution	1 ppm (0-1000); 5 ppm (1000-2000); 10 ppm (>2000)
Temp Compensation	±0.2% of reading per °C (reference of 25°C)
Response Time	<2 minutes for 63% of step change or <4.6 minutes for 90% step change
Warm up time	<20 seconds
TEMPERATURE MEASUREMENT	
Operating temperature	32-195°F (0-90°C)
Display resolution	0.1°F (0.1°C)
Response time	<20 minutes (63%)
HUMIDITY MEASUREMENT	
Measuring range	5-95%
Accuracy	±0.3%
Display resolution	1% main interface display
DEVICE	
Operating voltage	DC(5±0.25)V
Dimension	120*90*35mm
Weight	190g with backup battery