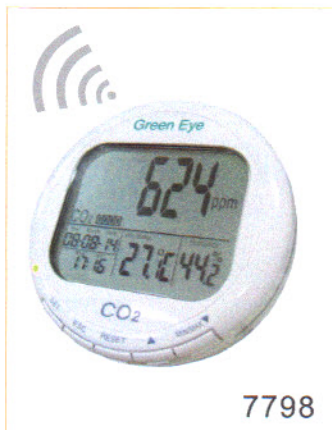


# IAQ meter



7798

## CO<sub>2</sub> LEVELS AND GUIDELINES

### Non-Enforced Reference levels

#### NIOSH recommendations

250-350 ppm:

Normal outdoor ambient concentrations

600 ppm:

Minimal air quality complaints

600-1000 ppm:

Less clearly interpreted

1000 ppm:

Indicates inadequate ventilation; complaints such as headaches, fatigue and eye/throat irritation will be more widespread. 1000 ppm should be used as an upper limit for indoor levels.

#### EPA Taiwan: 600ppm and 1000ppm

##### Type 1

indoor areas such as department stores, theaters, restaurants, libraries, the acceptable CO<sub>2</sub> concentration of 8 hours average is 1000ppm.

##### Type 2

indoor areas with special requirements of good air quality such as schools, hospitals, day care centers, the suggested CO<sub>2</sub> level is 600ppm.

### Regulatory exposure limit

#### ASHRAE Standard 62-1989: 1000ppm

CO<sub>2</sub> concentration in occupied building should not exceed 1000ppm.

#### Building bulletin 101 (BB101): 1500ppm

UK standards for schools say that CO<sub>2</sub> at averaged over the whole day (i.e. 9am to 3.30pm) should not exceed 1500ppm.

#### OSHA: 5000ppm

Time weighted average over five 8-hour work days should not exceed 5000ppm.

#### Germany, Japan, Australia, UK...: 5000ppm

8 hours weighted average in occupational exposure limit is 5000ppm.

## Desktop Carbon Dioxide logger 7798

- ▲ ADVANCED CO<sub>2</sub> LOGGER, YOUR BEST IAQ WATCHER
- ▲ UP TO 5333 POINTS MEMORY FOR EACH PARAMETER
- ▲ 15 DEGREE TILT ANGLE FOR EASY TO SEE AND READ
- ▲ ONE KEY TOUCH TO ACTIVATE THE LOGGING MODE
- ▲ REAL TIME CLOCK AND CALENDAR ARE DISPLAYED
- ▲ WARNING CARBON DIOXIDE LEVEL FROM 1000-5000PPM
- ▲ SUPER LARGE LCD DISPLAY CO<sub>2</sub> VALUE (WITH GOOD, NORMAL, POOR AIR QUALITY INDICATOR), YEAR-MONTH-DATE, HOUR-MINUTE, AIR TEMP. & RELATIVE HUMIDITY
- ▲ MAX. /MIN. RECALL FUNCTION
- ▲ TEMPERATURE UNIT IS SWITCHABLE
- ▲ REAL TIME CLOCK IS ADJUSTABLE
- ▲ NDIR (NON-DISPERSIVE INFRARED) WAVEGUIDE TECH.
- ▲ CO<sub>2</sub> AUTOMATIC BACKGROUND CALIBRATION, ABC
- ▲ LONG TIME DRIFT COMPENSATION
- ▲ BRIGHT LED VISIBLE INDICATES POWER IS ON
- ▲ AUDIBLE ALARM WARNS CO<sub>2</sub> AIR QUALITY IS POOR
- ▲ MONITORING RESIDENTIAL, COMMERCIAL AND HOME AIR QUALITY
- ▲ EASY TO CONNECT WITH PC FOR DATA DOWNLOAD

7798

### Measuring range

CO <sub>2</sub>	0~9999 ppm, (2001~9999 ppm out of scale range)
Temperature	-10~60°C (14~140°F)
Relative Humidity	0.1%~99.9%RH
Resolution	1ppm, 0.1°C/°F, 0.1%RH

### Accuracy

CO <sub>2</sub>	±50ppm±5% of reading( 0~2000ppm) Others range accuracy are not specified
Temperature	±0.6°C/±0.9°F
Relative Humidity	±3%RH (at 25°C, 10~90%RH) ±5%RH (at 25°C, others)

### Warm-up time

30 seconds

### Response time

CO <sub>2</sub>	<2 minutes ( 90% step change)
Tair	<2 mins (90% step change)
RH	<10 minutes ( 90% step change)
Sample point	15999 points ( 5333points for each parameter)
Sampling rate	1sec to 04 hour 59 mins 59 sec.
LCD size (mm, HxW)	60x82

### RELAY (1A 30VDC/0.5A 125VAC)

NO

Operating condition	0~50°C, 5~80% RH (avoid condensation)
Storage condition	-20~ 50°C, 5~90%RH(avoid condensation)
Power supply	5VDC adaptor (±10%), ≥500mA
Meter size	120 x 80 mm (Diameter x Depth)
Weight	200g
Standard package	Meter, manual, 5V universal adaptor, plain box, software CD & cable

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