Air Quality CO$_2$ Monitor
User Manual

1.Safety

Please thoroughly read this Instruction Manual before using the monitor, and use it by according to the Carbon Dioxide (Co$_2$) tester specifications:

Environmental Conditions of Usage:
- Relative Humidity⩽90%RH(Non-condensation).
- Operation Humidity -5°C-50°C.
- Storage Humidity -10°C-70°C.

Maintenance and Cleaning
- Repair or maintenance should be carried out by professional person, not only by prospectus.
- Wipe the meter regularly with a soft, dry cloth. Do not clean it with solvents or detergent.

Safety Marking:
Comply with European CE safety standards.

2.Function Description

The Carbon Dioxide (CO$_2$) Monitor is designed for air quality control and health control by measuring Carbon Dioxide (CO$_2$) level in areas where it needs to be monitored, such as factories, schools, offices, transportation lines and so on. The measured CO$_2$ value in ppm (parts-per-million) will be displayed on the LCD with three states indication: Good (0 to 800ppm), Normal (800 to1200ppm), Poor (>1200ppm).
An acoustic alarm sounds when the CO$_2$ level is exceeding the defined level.

3.Specifications

Sensing Method: NDIR (non-dispersive infrared) CO$_2$ sensor
Measurement Range: 0 to 9,999ppm CO$_2$
Resolution: 1ppm
CO$_2$ Accuracy: ±75 ppm or ±5% of reading
Temperature Range: 23 to 122°F (-5°C to 50°C)
Resolution: 0.1°C/°F
Temperature Accuracy: ±1°C
Humidity: 0.1 to 90%RH
Resolution: 0.1%RH
Humidity Accuracy: ±5%RH
Display: Date and Time
Max/Min Co$_2$ value display function
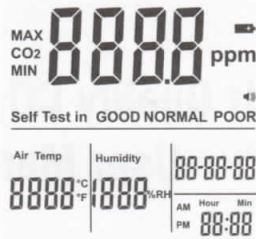Sampling Interval: 2 seconds
Overload Indication:"-OL-"
Power Adapter: Input: 110V~220V AC Output: 6.0V DC
Operating environment: -5°C to 50°C (23°F to 122 °F) at <90 %RH
Storage temperature: -5°C to 50°C (23°F to 122°F) at <90% RH

4. Names and Functions of Parts
LCD Display

Mechanical Keys
- ON/OFF: Turns on or off the unit.
- HOID: Freezes the current reading in the display.
- °C/°F: Selects °C or °F
- CLOCK: Press and hold this button for 2 seconds to enter into clock mode. Press it again enter into date or time setting. Touch "▲" or "▼" button on the screen with hand to increase or decrease the value. After finishing setting, touch "ESC" button to exit clock setting code.

Touchpad Button
- Alarm Button

Trigger the button once, if ◀» icon shows and flickers on LCD screen, it indicates the measured value exceeds the defined value and the alarm buzzers. Press this button again to exit the buzzer alarm function.
Press and hold the button to enter into setting mode.

1. Alarm Value Setting

◀» button flickers, then enter to alarm value setting mode. Press "▲" button to increase the value, press "▼" button to decrease the value, press "ESC" button to exit the setting mode:

2. "GOOD", "NORMAL" and "POOR" Value Setting

Press "▲" button to increase the value, press "▼" button to decrease the value, press ESC button to exit the setting mode.

- MAX/MIN Button

Trigger the button once, "MAX" icon shows and the Maximum measured value of CO_2, temperature and humidity will be displaved on the screen, Trigger this button again, "MIN" icon shows and the Minimum measured value of CO_2, temperature and humidity will be displayed on the screen. Press ESC button to exit the function.

- ▲ Digital Adjustment Button

Press this button to increase the value, Press "ESC" button to exit the function.

- ▼ Digital Adjustment Button

Press this button to decrease the value, Press ESC to exit the function.

- ESC Button

Press this button will exit the current mode.

- Backlight

Press one of the "ALARM" button, "MAX/MIN" button, "▲" button or "▼" button, the backlight will turn on and it will turn off automatically after 20 seconds of inactivity. Press "ESC" button to exit the function.

Contact :

EASTERN ENERGY CO.,LTD. (HEAD OFFICE)

40/4 Vitoondumri Rd., Banbueng, Banbueng, Chonburi 20170

Tel: 0-3844-6117, Fax: 0-3844-6200

Email: info@ete.co.th / sale@ete.co.th

Web: www.eastern-energy.com

Rev.101028