

DESCRIPTION:

The YEM-42 series of instruments are mainly used for environmental carbon dioxide concentration and temperature and humidity monitoring, suitable for home, classroom and office space.

YEM-42 uses a HD black bottom color screen, YEM-42-A uses a HD black and white screen, and the screen brightness can be set with buttons. In contrast, the color screen model has high power consumption, but has a cool display, while the black and white screen model has low power consumption and a soft display. The instrument responded quickly, with 1 second for temperature and humidity measurement interval and 4 seconds for carbon dioxide concentration measurement interval.



YEM-42



YEM-42-A

FEATURES:

- HD-LCD screen
- NDIR CO₂ Sensor
- USB power supply/lithium battery direct charge (optional)
- USB Power Supply / AAA Battery Power Supply (optional)
- Human body comfort index (color screen type)
- Over limit alarm
- User calibration
- Adjustable screen brightness
- Battery status indication

APPLICATION:

- Market
- Hospital
- Dining room
- School
- Home Furnishing
- Office Space
- Agricultural Greenhouses, breeding
- Laboratory

Environmental CO₂ Monitor

YEM-42 YEM-42-A
YEM-42S YEM-42S -A
YEM-42H YEM-42H -A

NOTE:

- Avoid sun exposure.
- Avoid direct contact with corrosive chemicals.
- Fall off carefully.

WARNING:

- No private disassembly!
- Strictly prevent strong electricity, electrostatic impact!

FUNCTIONS AND TECHNICAL PARAMETERS:

Type	YEM-42	YEM-42-A	YEM-42S	YEM-42S-A	YEM-42H	YEM-42H-A
Measuring parameters	Temperature,Relative humidity, CO ₂ concentration					
Unit	Temperature: ℃; Humidity:%; CO ₂ concentration: ppm					
Measuring range	Temperature:-20~60℃ Humidity: 0~100%					
	CO ₂ concentration: 400 ~ 10,000ppm				CO ₂ concentration: 0 to 10,000ppm	
Certainty of measurement	CO ₂ concentration: ±(5% reading + 50ppm) 400~2000ppm, other range values are for reference only		CO ₂ concentration: ±(3% reading + 40ppm) 400~2000ppm, other range values are for reference only		CO ₂ concentration: ±(3% reading + 40ppm) 400~2000ppm, other range values are for reference only	
	Temperature: ±1℃ (-10~60℃); ±2℃ (other range) Humidity: ±5% (10~90%, 25℃); ±6% (other range)					
Resolution	Temperature:1℃; Humidity: 1%; CO ₂ concentration: 1ppm					
Response time (t ₉₀)	Temperature: 15 minutes Humidity: 15 minutes CO ₂ concentration: about 3 minutes (in the air circulation environment)					
Measurement interval	Temperature: 1 second; Humidity: 1 second; CO ₂ concentration: 4 seconds					
The LCD refresh interval	One second					
LCD	Multicolour LCD	Black and white LCD	Multicolour LCD	Black and white LCD	Multicolour LCD	Black and white LCD
Temperature	0~50℃ (automatic over-20~60℃)					
Storage temperature	-30~60℃ (no battery)					
Battery	① 3 pcs 1.5V AAA dry cell battery / USB power supply ② Lithium battery direct charge / USB power supply (Both the ① and ② options mentioned above)					
Usage time (lithium battery)	At a temperature of 25℃ and in the absence of an alarm High-brightness screen on full charge: approximately 6 hours Medium-low brightness screen on full charge: approximately 12 hours					
Power interface	Type-C,DC 5V/2A					
Levels of protection	IP20					
Outline dimension	91*76*40mm					
Case material	ABS					
Weight	About 140g (excluding battery)					