

DESCRIPTION:

YEM-40D/40DL is mainly used for environmental carbon dioxide concentration and temperature and humidity monitoring, suitable for home furnishing, classrooms and office places.

The YEM-40D uses a low-power sensor: it has a long battery life even though the measurements refresh quickly.

YEM-40D response is fast, the temperature and humidity and carbon dioxide concentration measurement interval are 5 seconds. The user can set the clock, upper and limits or backlight duration of the instrument by pressing the button. The instrument also has the measurement data over-limit alarm function (bright red backlight), and the alarm value range can be set.

YEM-40DL adds recording functionality to the YEM-40D base. Users can press the key to set their recording interval and the generated file type. YEM-40DL stores and transfers files in a U disk, generating txt/csv/xls/dlg format files (data in dlg format files can be analyzed with professional PC-side software). YEM-40DL also supports the statistics of parameters such as the overrun state, number and total overrun time of each channel.

FEATURES:

- **3.9-inch display, with backlight**
- **Touch-sensing button**
- **Show maximum, minimum, average**
- **Red-backlight over-limit alarm**
- **Real-time and historical alarm status indication**
- **Storage capacity of 22,528 per Channel(YEM-40DL)**
- **Generate txt /csv/xls/dlg format file(YEM-40DL)**
- **PC software analysis data (YEM-40DL)**
- **Low power consumption**
- **Calibration function**
- **Battery protection**

APPLICATION:

- Shopping mall
- Hospital
- Restaurant
- School
- Home furnishing
- Office space environmental testing
- Agricultural greenhouses and breeding
- Laboratory



YEM-40D

Environmental Carbon Dioxide Monitor

YEM-40D
YEM-40DL

NOTICES:

- Avoid sun exposure.
- Avoid direct touch with corrosive chemicals.
- Prevent the device from falling out.

WARNING:

- Self-disassemble is not allowed!
- Prevent strong electricity and static shock!

SPECIFICATION:

Model	YEM-40D	YEM-40DL
Measurement Parameters	Temperature(dry ball, dew point), Humidity, Carbon Dioxide	
Recording Function	None	Yes
Unit	Temperature: °C, °F; Humidity:%RH; Carbon Dioxide:PPM	
Measuring Range	Temperature: -30~+ 65 °C(built-in probe); -40~+125 °C(external probe); Humidity: 0~100%RH(Non-condensation) Carbon Dioxide: 400~ 10,000PPM	
Measuring Accuracy	Temperature: ±0.5 °C (-10~ +65 °C); ±1.0 °C (Other Range) Humidity: ±5%RH(10~90%RH, 25 °C); ±6%RH(Others) Carbon Dioxide: ±(3% of reading +40PPM)(400~2000PPM,0~50 °C,Other ranges shown for reference only)	
Resolution	Temperature: 0.1 °C Humidity: 0.1%RH Carbon Dioxide: 1PPM	
Response Time(t ₉₀)	Temperature: 15 minutes(built-in probe); 5 minutes(external probe) Humidity: 15 minutes(built-in probe); 5 minutes(external probe) Carbon Dioxide: ≥3 minutes	
Measuring Interval	5 seconds	
Recording Interval	None	5 seconds~120 minutes adjustable
LCD Refresh Interval	5 seconds	
Storage Capacity	None	22,528 Data points per channel
Operating Temperature	0~+50 °C	
Storage Temperature	-30~ + 65 °C (no batteries)	
Battery	3 pcs 1.5V AAA alkaline batteries (USB power supply is recommended)	
Power Supply Interface	Micro USB,DC 5V/2A	
Protection Class	IP20	
Overall Dimensions	108*96*20mm	
Housing Material	ABS	
Weight	About 124g (no batteries)	