

DESCRIPTION:

YEM series air quality and environment detectors are mainly applied to detecting air quality and environment.

YEM-20 is applied to detecting the ambient temperature and humidity. The user can set the parameters such as calendar, high and low limits, backlight duration and alarm duration by pressing the buttons.

Based on YEM-20, we add function of carbon dioxide measurement on YEM-40 and add the function of atmospheric pressure measurement on YEM-70.

Based on YEM-20/40/70, we add recording function on YEM-20L/40L/70L respectively. The user can set the recording interval and the generated file type by pressing the button. YEM-20L/40L/70L stores and transfers files in the form of USB flash disk, and generates txt/csv/xls/dlg files(the data in dlg files can be analyzed by professional PC software). YEM-20L/40L/70L also supports the function of statistical parameters such as overrun status, overrun number and overrun total time of each channel.



Professional Air Quality and Environment Detector

FEATURES:

- **3.9 inch LCD screen with backlight**
- **Touch-sensitive buttons**
- **Display data of maximum, minimum, average**
- **Over-limit alarm**
- **Real-time and historical alarm status indicator**
- **Storage capacity of 22,528~26,624 per Channel (YEM-20L/40L/70L)**
- **txt/csv/xls/dlg files generated (YEM-20L/40L/70L)**
- **Analyzed data by PC software (YEM-20L/40L/70L)**
- **Human comfort index (YEM-20/40/70)**
- **Calibration**
- **Ultra low power consumption and long standby time**
- **Battery status indicator**
- **Battery protection**

APPLICATION:

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

Air Quality and Environment Detector

NOTE:

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

WARNING:

- Self-disassemble is not allowed!
- No surge with heavy current/static electricity!

SPECIFICATION:

- Temperature and Humidity Series

Model	YEM-20	YEM-20L
Measuring Parameter	Temperature(dry bulb, dew point), Humidity	
Logging	No	Yes
Unit	Temperature: ℃, ℉; Humidity: %RH	
Measuring Range	Temperature: -30~+65℃(Internal probe); -40~+125℃(External probe) Humidity: 0~100%RH(Non-condensing)	
Measuring Accuracy	Temperature: ±0.3℃(-10~+65℃); ±0.5℃(Others) Humidity: ±3%RH(10~90%RH, 25℃); ±4%RH(Others)	
Resolution	Temperature: 0.1℃; Humidity: 0.1%RH	
Response Time(t ₉₀)	15 minutes(Internal probe); 5 minutes(External probe)	
Measuring Interval	5 seconds	
LCD Refreshes Interval	5 seconds	
Storage Capacity	None	26,624 data points/channel
Operating Temperature	-30~+65℃	
Storage Temperature	-30~+65℃(No battery)	
Power Supply	3 pcs 1.5V AAA alkaline battery	
Power Interface	Micro USB, DC 5V/2A	
Protection Class	IP20	
Size	108*96*20mm	
Material	ABS	
Weight	About 117g(No battery)	

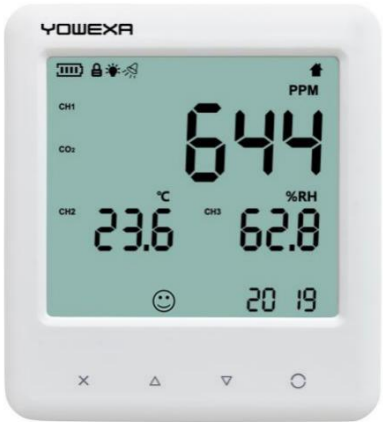


YEM-20

Air Quality and Environment Detector

• Carbon Dioxide Series

Model	YEM-40	YEM-40L
Measuring Parameter	Temperature(dry bulb, dew point), Humidity, Carbon Dioxide	
Logging	No	Yes
Unit	Temperature: ℃, ℉; Humidity: %RH; Carbon Dioxide: PPM	
Measuring Range	Temperature: -30~+65℃(Internal probe); -40~+125℃(External probe) Humidity: 0~100%RH(Non-condensing) Carbon Dioxide: 0~10000PPM	
Measuring Accuracy	Temperature: ±0.3℃(-10~+65℃); ±0.5℃(Others) Humidity: ±3%RH(10~90%RH, 25℃); ±4%RH(Others) Carbon Dioxide: ±3%±40PPM(400~2000PPM); (The values in other ranges are for reference only)	
Resolution	Temperature: 0.1℃; Humidity: 0.1%RH Carbon Dioxide: 1PPM	
Response Time(t ₉₀)	15minutes(Internal probe); 5minutes(External probe) Carbon Dioxide: ≥3 minutes	
Measuring Interval	5 seconds Carbon Dioxide: 5 seconds~30 minutes adjustable	
LCD Refreshes Interval	5 seconds	
Storage Capacity	None	22,528 data points/channel
Operating Temperature	0~+50℃	
Storage Temperature	-30~+65℃(No battery)	
Power Supply	3 pcs 1.5V AAA alkaline battery	
Power Interface	Micro USB, DC 5V/2A	
Protection Class	IP20	
Size	108*96*20mm	
Material	ABS	
Weight	About 124g(No battery)	



YEM-40

Air Quality and Environment Detector

• Atmospheric Pressure Series

Model	YEM-70	YEM-70L
Measuring Parameter	Temperature(dry bulb, dew point), Humidity, Atmospheric Pressure	
Logging	No	Yes
Unit	Temperature: ℃, ℉; Humidity: %RH; Atmospheric Pressure: hPa	
Measuring Range	Temperature: -30~+65℃(Internal probe); -40~+125℃(External probe) Humidity: 0~100%RH(Non-condensing) Atmospheric Pressure: 300~1100hPa	
Measuring Accuracy	Temperature: ±0.3℃(-10~+65℃); ±0.5℃(Others) Humidity: ±3%RH(10~90%RH, 25℃); ±4%RH(Others) Atmospheric Pressure: ±1hPa(950~1050hPa, 0~40℃); ±2hPa(Others)	
Resolution	Temperature: 0.1℃; Humidity: 0.1%RH Atmospheric Pressure: 0.2hPa	
Response Time(t ₉₀)	15minutes(Internal probe); 5minutes(External probe) Atmospheric Pressure: 5 seconds	
Measuring Interval	5 seconds	
LCD refreshes Interval	5 seconds	
Storage Capacity	None	22,528 data points/channel
Operating Temperature	-30~+65℃	
Storage Temperature	-30~+65℃ (No battery)	
Power Supply	3 pcs 1.5V AAA alkaline battery	
Power Interface	Micro USB, DC 5V/2A	
Protection Class	IP20	
Size	108*96*20mm	
Material	ABS	
Weight	About 118g(No battery)	



YEM-70