

WALL MOUNT CO2 TEMPERATURE MONITOR & CONTROLLER

เครื่องวัดและควบคุมก๊าซคาร์บอนไดออกไซด์



**MODEL : AMT75 (MAIN UNIT) &
AMT75R (REMOTE UNIT)**

FEATURES

- Dual Beam NDIR (Non-Dispersive Infrared) technology is used to measure CO₂ concentration up to 50,000ppm.
- With the SEU (Sensor Unit, Order Number AMT75) and RDU (Remote Display Unit, Order Number AMT75R), it can connect up to 3 RDU for safety notices.
- Large digital LCD display clearly indicates the ambient CO₂ Concentration and Temperature.
- Relay output can automatically control a fan to ventilate confined spaces.
- Audible and visual alarm indications.
- IP54 Water Proof Protection of SEU (Sensor Unit) except backside when installed on the wall.



Specifications – CO ₂	
Measurement Range	0~50,000ppm (5%) display
Display Resolution	10ppm @0~10,000ppm, 100ppm @10,001ppm~50,000ppm
Accuracy	±100ppm or ±5% of reading, whichever is greater
Repeatability	±20ppm @400ppm
Annual Drift	<20ppm/Year @400ppm
Temperature Dependence	±0.2% of reading per °C or ±2ppm per °C, whichever is greater, referenced to 25°C
Pressure Dependence	0.13% of reading per mmHg
Response Time	
AL1 (First Alarm Level)	5000ppm, 1 / 1.5 / 2 % , Default AL1= 1.5%
AL2 (Second Alarm Level)	1.5 / 2 / 2.5 / 3 / 3.5 / 4 % , Default AL2= 3%
Warm-Up Time	
Sound Alarm	80db@10cm

Specifications - Temperature	
Temperature Range	0°C to 50°C (32°F to 122°F)
Display Resolution	0.1°C (0.1°F)
Display Options	°C / °F
Accuracy	±1°C(±2°F) when CO ₂ concentration is below first alarm level
Response Time	20-30 minutes (case must equalize with environment)
Operating Temperature	0°C to 40°C (32°F to 104°F), 0-95% RH, non-condensing
Storage Temperature	-20 to 60°C (-4 to 140°F)

Specifications – Power Supply & Relay Output		
Power Supply	AC adapter 110/220 VAC	
AC Input	Voltage	100 ~ 240 VAC
	Frequency	50 / 60 Hz
	Requirement	1 W maximum @ 115 VAC 60 Hz; 2 W maximum @ 230 VAC 50 Hz
AC/DC Output	Voltage	6VDC
	Power	3.0 W
Peak Input Current	0.5 A from 6VDC	
Relay Output	30VDC or 250VAC, max 2A, SPST, Normally Open	

PRODUCT DATA SHEET