

## Formaldehyde Monitor and Data Logger

### AQM-101



AQM-101 shown smaller than actual size.

- Large LCD Displays HCHO Level, Temperature, Relative Humidity, Calendar (Y/M/D) and Time
- Three (3) Smiley Icons Indicate Indoor Air Quality Levels at (0/0.08/0.8 ppm)
- Stable Electrochemical Sensor for HCHO Detection
- Programmable High Alarm
- Manual 0 ppm Calibration
- Audible/Visible LED Warning for High HCHO Concentration

The AQM-101 is designed to measure HCHO concentration, air temperature and relative humidity with visible and audible alarms. This HCHO monitor is an ideal instrument for indoor air quality (IAQ) diagnosis and HVAC system performance verification.

FORMALDEHYDE (HCHO) is a gaseous component of the earth's atmosphere. The concentration of HCHO in natural ambient air is about 0.03 ppm. Formaldehyde is found in a number of products. While most of these products contain a relatively low amount of the compound, others have a fairly strong concentration of formaldehyde. This is particularly true with products used in the course of scientific research and other professions where tissue is preserved in some manner. Formaldehyde exposure can lead to side effects that range from mild to life-threatening.

#### Non-Enforced Reference Levels\*

- 0.03 ppm – Background (normal) outdoor air level
- 0.10 ppm – Typical recommended upper limit for residences by ASHRAE, ANSI, EPA, NIOSH and STEL
- 0.40 ppm – Typical recommended upper limit for manufactured homes
- 0.50 ppm – Typical OSHA workplace limits.
- 0.75 ppm – Typical OSHA TWA limit
- 0.80 ppm – Level at which most people first detect odor
- 2.00 ppm – Typical OSHA STEL limit

## SPECIFICATIONS

### HCHO

**Measurement Range:** 0.00 to 5.00 ppm @25°C (77°F), ambient pressure

**Accuracy:** ±5%, + 0.03 ppm

**Resolution:** 0.01 ppm

### Temperature

**Range:** 0 to 50°C (32 to 122°F)

**Accuracy:** ±0.1°C (2°F) [0 to 50°C (32 to 122°F)]

**Resolution:** 0.1°C (0.1°F)

### Relative Humidity

**Range:** 10 to 90% RH

**Accuracy:** ±5% RH [at 25°C (77°F)]

**Memory Capacity:** 32,000 readings

**Storage Temperature:** -40 to 70°C (-40 to 158°F)

**Interface:** USB

**Response Time:** Less than 30 seconds (T90)

**Dimensions:** 110 H x 108 W x 28 mm D (4.33 x 4.25 x 1.10")

**Weight:** 165 g (5.8 oz)

Model No.	Description
AQM-101	HCHO, RH and temperature monitor and data logger
AQM-100-PW	AC adaptor (optional)

Comes complete with 4 "AAA" batteries, USB cable, operator's manual, AC adaptor and software CD.

\* Local regulatory exposure limits will vary.