

Formaldemeter htV-M

Overview:

With the subject of indoor air quality becoming more prominent and recognized throughout many industries, it has become essential to accurately monitor low levels of indoor pollutant gases. The Formaldemeter htV-M offers the same precise 3-parameter monitoring for low levels of hazardous formaldehyde vapors under extremes of temperature and humidity, as seen in the world-wide success of the Formaldemeter htV but with the addition of these impressive extra features:

- Built-in, non-volatile, upgradeable memory.
- Continuous monitoring for up to one month.
- Optional WiFi module.
- Real-time clock.
- Built-in alarm.
- Plug-in or battery powered.
- Convenient htV-M download software.
- Manual hand-held and continuous monitoring capability.
- Mini-USB interface for downloading data directly to PC.
- Manufactured to ISO 9001:2000 quality standards and compliant to CE regulations.




Compact and capable.

The htV-M can precisely measure formaldehyde concentrations in parts per million (ppm) and mg/m³ over a wide range of temperature and humidity. Fast and easy to use, pressing a single button gives an immediate indication of concentration levels. The Formaldemeter htV-M is reliable and simple to calibrate. The compact size means the htV-M is small enough to be used as a hand-held device.

The built-in memory and real time clock enable the htV-M to log the three parameters and corresponding times, allowing improved monitoring and analysis opportunities. Alternatively a PC can automate the sampling and log data at specific times by a direct or wireless connection. This is advantageous as it allows the user more freedom and is a cost effective approach to taking such measurements.

About Kem Medical Products Corp.

We offer a complete line of products to measure exposure to toxic chemicals including VAPOR-TRAK Monitoring Badges, real-time gas monitors and on-site surveys as part of our full range of safety products and services for healthcare facilities. Kem Medical Products Corp. has been proudly serving the healthcare industry since 1980. Our mission is to provide healthcare professionals with the high quality products and solutions they need in order to maintain a safe and effective work environment. 

Kem Medical Products Corp.

400 Broadhollow Road, Suite 2, Farmingdale, NY 11735 ■ +1.800.553.0330 ■ www.kemmed.com

Formaldehyde Meter htV-M: Specifications and Features

SPECIFICATIONS	
Sampling Method	10 ml snatch-sample of air taken by internal pump.
Sampling Frequency	One minute in normal IAQ conditions.
Response Time	60 seconds in 'high accuracy' mode and approximately 8 seconds in 'lower accuracy' mode.
Mechanical	150 x 80 x 34mm ABS plastic case. Padded accessory-case 266 x 230 x 50mm.
Weight	270g with 9v PP3 alkaline battery. Total kit weighs 750g.

FORMALDEHYDE SENSOR	
Type	Electrochemical manufactured by PPM Technology.
Range	0-10 ppm as standard (0-12.3 mg/m ³ at 25°C). Extended range available on request.
Resolution	0.001 ppm.
Accuracy	10% at 2 ppm.
Precision	94% of all instrument readings meet the NIOSH criteria for an acceptable method when measuring 0.3 ppm of formaldehyde over a relative humidity range of 25-70%. The NIOSH criterion for acceptability is that all results fall within ±25% of the true value at the 95% confidence level.
Calibration	By user with supplied calibration standard or by original manufacturer.

TEMPERATURE & HUMIDITY MODULE	
Type	Interchangeable digital CMOSens.®
Range	-40 to +128°C, 0-100% RH.
Accuracy	±0.4°C, ±3% RH. Optional upgrade to ±0.3°C, ±1.8% RH.
Calibration	Calibrated to ISO/IEC17025 by manufacturer. Traceable by the 'National Institute of Standards and Technology' and the 'National Physical Laboratory'.

FEATURES

htV-M download software: The htV-M download software allows you to download sample data from the Formaldehyde Meter htV-M quickly and easily. The software features the ability to adjust the sampling schedule to desired setting. Schedule time and frequency of samples can be changed using the simple and intuitive interface. Sample data can be downloaded and saved in a variety of formats.

Four-button interface: The Formaldehyde Meter htV-M has the same simple, easy-to-use, 4-button layout as the htV, 400 and Glutaraldehyde Meter units. One button to turn on and another to sample. By pressing particular button combinations together, the user can access temperature and humidity readings, check the gain and also calibrate the unit with the provided formaldehyde standard.

DC and mini-USB: The built in DC power adapter allows the htV-M to be powered by plug if used as a continuous data logger, so as to save the internal battery of the unit. The mini-USB allows data to be downloaded quickly and easily to a PC with the htV-M download software.

Optional desk stand: A simple, fold-out stand allows the htV-M to sample in an upright position, while also providing a better viewing angle. *Note: This is an optional accessory. Please specify if you wish to have this installed when ordering.*

Kit contents: Formaldehyde Meter htV-M instrument with battery; digital manual; phenol filters (10-pack); formaldehyde calibration standard tube; mini-USB cable; power adapter, htV-M download software.



A PPM Technology product.