Formaldemeter htV

SPECIFICATION

Sampling Method: 10ml snatch-sample of air taken by internal pump.

Sampling Frequency: 1 minute in normal IAQ conditions.

Response Time: 60 seconds in 'high accuracy' mode, approx. 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: 0-10ppm as standard (0-12.3 mg/m³ at 25°C).
Extended range available on request.

Resolution: 0.001 ppm

Accuracy: 10% at 2ppm

Precision: 94% of all instrument readings meet the NIOSH criteria for an acceptable method when measuring 0.3ppm 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.



The 3-parameter Formaldemeter htV from PPM Technology directly measures airborne formaldehyde concentrations as well as ambient temperature and humidity levels.

Building on the technology developed in the popular Formaldemeter 400, with the addition of unique compensation techniques, the htV can now accurately measure low levels of formaldehyde — even in humid conditions — while still maintaining ease of use and simple calibration.

Applications:

- Medical Care & Sterilization
- Pharmaceuticals
- Agriculture
- Fumigation
- Paint and Paper manufacture
- Textiles & Dye manufacture
- Particle & Laminate Boards
- Building Management
- Air Conditioning system management
- Environment and Public Health Agencies

With further importance being put on air quality in public buildings, the workplace and in homes, the htV is aimed towards being the most accurate monitor while still providing quick and simple operation from a hand-held device.

- Displays formaldehyde concentration in both parts per million (ppm) and mg/m³.
- Immune to extremes of humidity and temperature thanks to a unique sampling method.
- Simple calibration procedure can be carried out in a few minutes after only minimal training – the full kit contains a field calibration standard (6 months shelf-life) and a comprehensive operation manual.
- Fast sampling by pressing a single button and quick recovery from normal concentrations.
- Manufactured to ISO 9001:2000 quality standards and compliant to CE regulations.

Features

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'.

KIT CONTENTS

- Formaldemeter htV instrument with battery
- Formaldehyde calibration standard tube
- Pack of phenol filters (10)
- Manual
- Pen
- Thermometer



Easy to use, four button interface

The Formaldemeter htV has the same simple 4 button layout as the found on the htV-m and Glutaraldemeter 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.



Built in Temperature & Humidity module

The Formaldemeter htV is able to accurately measure Formaldehyde concentrations, as well as ambient temperature and humidity levels using the built in Temperature and Humidity module.

Located at the top of the instrument next to the brass sampling nozzle.

The temperature and humidity in an environment is taken into account when calculating the final Formaldehyde reading.



*** Optional Stand Available**

A simple fold out stand allows the htV to sample in an upright position, while also providing a better viewing angle for checking formaldehyde levels on the display.

*** The desk stand is an optional accessory. Please specify if you wish to have this installed when ordering.**

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