

# PPM Formaldemeter™ *htV* – Quick Guide

## SAMPLING

1. Press the **ON-OFF** button.
2. The display will show ‘- - -’ followed by ‘0.00’ (sensor ready).
3. Press the **SAMPLE** button.
4. The display will show ‘run’, followed by the sound of the pump running.
5. The display indicates the measured concentration in approximately 60 seconds, to try to eliminate the effect of the interferants.
6. Switch the instrument OFF. Press and **Hold** the ON-OFF button a few seconds.

Before taking the next sample leave the instrument off until the sensor clears and the display shows ‘0.00’ constantly. High levels, i.e. over 1ppm can take at least 3 minutes to ‘clear’ from the sensor.

## CALIBRATION

Place the instrument and the calibration standard in a room where the temperature is stable for at least an hour before calibrating.

1. Note the temperature using the thermometer supplied. From the lookup table on the calibration tube determine the required reading. e.g. at 23°C, the reading should be 2.49ppm.
2. Remove the plugs from both ends of the calibration standard tube.
3. Place instrument on a firm surface.
4. Insert the instrument nozzle into the sampling end of the calibration standard (indicated by the black arrow).
5. Press the **ON** button. Wait for the display to show ‘0.00’.
6. Depress both **▼CAL▲** buttons simultaneously.
7. The display will show ‘CAL’, followed by the sound of the pump sampling from the tube. Remove calibration tube when the pump stops.
8. After approx. 60 seconds, the display will show ‘1.750’ alternating with ‘SEt’.
9. Calibrate to the required value using the **▼CAL▲** buttons.
10. To store the value, Press **SAMPLE**. The instrument will display ‘CAL’ then ‘End’, the instrument will switch itself off.

## REPLACING THE BATTERY

1. Remove the battery compartment cover at the bottom rear of the instrument by unscrewing the two screws.
2. Ensuring the correct polarity, replace the dead cell with a new 9V PP3 type alkaline battery.

## DISPLAY GLOSSARY

“- - -”	sensor recovering
“0.00”	sensor ready
“run”	sampling
“CAL”	calibration sample
“SEt”	set calibration level
“End”	calibration complete
“bAt”	battery low
“SEt” followed by “CAL”	instrument not calibrated

## TEMPERATURE & HUMIDITY SENSOR

1. Hold down the **SAMPLE** button and press the **ON-OFF** button once. Release the **SAMPLE** button.
2. The instrument will briefly display ‘HEAt’.
3. The instrument will then show the temperature reading in **°C**.
4. The instrument will then display the humidity (in **%RH**).
5. The instrument will cycle through these screens until it is either switched off manually, or it will switch itself off after 30 seconds.

## RETRIEVAL OF STORED DATA

This instrument automatically stores the last ten readings.

1. With the **SAMPLE** button depressed, press the **ON-OFF** button and then release.
2. Instrument will display ‘HEAt’ followed by the temperature in **°C**, alternating with humidity in **%rh**.
3. With the instrument in this mode, press both **▼CAL▲** buttons simultaneously until the display shows ‘dAtA’. Release the buttons.
4. The display will show ‘run0’ followed by the result of the last sample.
5. Scroll through the last ten results using the **▼CAL▲** buttons.

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