CALIBRATION PROCEDURE : Gastro+

(Calibration equipment: H2-Calib-34-100)

For continued accurate use of your Gastro+ Breath Hydrogen Monitor, calibration on a monthly basis is recommended. Please follow steps below. Do not use the calibration instructions listed in the Gastro+ Operating Manual if you are using the ***H2-Calib-34-100***. Those instructions reference slightly different equipment. The steps below provide instructions for calibrating the Gastro+ Monitor, using the calibration equipment you received (***H2-Calib-34-100***). Customers may find it helpful to read through these directions once, prior to calibrating. If you would like a detailed visual explanation of your calibration equipment, please, visit the following website: **www.immva.com** and select "calibration help" under the resources tab. There you can download the *Calibration Parts Description* document for the kit that you purchased**.** If you are using different calibration equipment or a different monitor, you will not use the instructions listed below. In addition, please review the display symbols on page 8 of the operating manual before you calibrate or begin using your monitor. If you require assistance with calibration, please contact IMMVA at (757) 645-9369 Mon-Fri, 9-5 PM EST, or email your questions to *service@immva.com.*

Step 1
Begin by setting up your calibration equipment. You should be using the calibration equipment that is specific to these instructions. You can find a detailed visual explanation of your calibration equipment on the CD that came with your monitor or at **www.immvaa.com.**

Calibration Kit Set-up Procedure:
Remove the regulator from the kit and ensure that the valve is in the OFF position. Screw the regulator onto the can of gas. This is best done by screwing the can into the regulator. Then, connect the tubing from the top of the regulator. Next, place the calibration adapter into or onto the D-piece sampling system the same way you would place a cardboard disposable mouthpiece. (Do not use a cardboard mouthpiece for calibration.) You can now connect the D-piece to the monitor. DO NOT TURN THE GAS ON UNTIL THE INSTRUCTIONS TELL YOU TO DO SO. Proceed to Step 2.

Step 2
Ensure the battery is located in the battery compartment of your monitor. Turn the monitor on and from the main screen select the "Settings" menu and then the "Calibration" symbol.

Step 3
Touch the "Zeroing" symbol to begin zeroing. If the zeroing has been successful, a "check mark" will be displayed. If zeroing fails, an "X" will be displayed (see Troubleshooting page 15 of your operating manual if this happens). Touch the "check mark" to accept the zero and return to the calibration/zero menu.

Step 4

With the calibration kit connected to the monitor and ready to go, touch the “Calibration” symbol to begin calibration and immediately open the valve of the regulator and allow the gas to flow. As the 100 ppm H2 calibration gas is applied, the displayed ppm reading will climb.

Step 4
If the final displayed reading is between 90 and 110 ppm, the calibration value will be automatically set in the monitor as 100 ppm and a “check mark” will be displayed to show a successful calibration. If the displayed reading is outside of these limits, the calibration fails, and a “X” will be displayed (see Troubleshooting page 15 of your operating manual if this happens).

Step 5
Touch the “Check Mark” to accept the calibration and return to the calibration/zero menu.

Step 6
Turn off the gas flow, remove the D-piece and disconnect the calibration adapter. The Gastro+ is now calibrated and ready for use.

Step 7
Unscrew the regulator from the can of gas (you can leave the tubing attached to the top of the regulator) and place it along with the can of gas back into the kit. As you remove the regulator you will hear and feel a slight pop. This is normal. Removing the valve from the can prevents gas from leeching out over time. Store your calibration equipment (specifically the can of gas) in a temperature controlled environment (See MSDS Document).

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