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Why the VM-2500 does not require calibration during use

The CO₂ analyzers of VM-2500 Series capnographs (mainstream and sidestream) are permanently factory calibrated during the manufacturing process. During extensive measurements with calibration gas, the CO₂ measurement units evidenced the accuracy required. The monitor requires no routine calibration and the CO₂ analyzers incorporate maintenance and calibration-free technology.

All necessary calibration constants and firmware are stored within each CO₂ analyzer. The analyzer firmware contains algorithms that self-compensate and self-adjusts analyzer settings based on the information that it generates during start-up and self-test procedures. The use of Viamed consumables used in accordance with the user manual enables the accuracy and function of the analyzers to be maintained.

Gas readings should be verified at regular intervals with a reference instrument or with calibration gas. The suggested interval for gas span check is once every year, or whenever gas readings are questionable.

This is a major advantage of VM-2500 Series capnographs when compared to many alternative capnographs that need: recalibrating, verification of accuracy or servicing on a frequent basis.

A basic maintenance plan conducted by service personnel is recommended. Should you not have personnel to carry this out, capnographs can be returned to Viamed for servicing. Please refer to the user manual and service manual for detailed information.

Should you have any queries or require further information, please do not hesitate to contact Viamed or your local distributor.