“Unavailable gas” Message when Calibrating LEL Sensors for the Ventis™ MX4 with a DSX™ Standalone

If calibrating an LEL sensor using a gas type that differs from the original factory-programmed calibration gas type, DSX Standalone docking station users may see a message that says “unavailable gas.” This occurs because the sensor is looking for a specific gas type. For example, if a user has a Ventis that is factory programmed to calibrate using pentane and he attempts to calibrate it using methane, the DSX docking station will display “unavailable gas.” The sensor in the monitor is looking for pentane, does not find it, and reports that the gas needed for calibration is not available.

There are four ways to prevent this issue:

1. **Order Ventis units with the LEL sensor calibrated to the gas type that you expect to use with your DSX Standalone** – To have the Ventis display readings in %LEL and calibrate with pentane, order a VTS-K... unit. To have the Ventis display readings in %LEL and calibrate with methane, order a VTS-L... unit.

2. **Order LEL sensors calibrated to the gas type that you expect to use** – If calibrating with methane, order part number 17156917 (Sensor, MX4, %LEL methane). If calibrating with pentane, order part number 17134495 (Sensor, MX4, %LEL pentane).

3. **Configure the sensor’s calibration gas type using a Ventis DataLink and Accessory Software** – The LEL sensor can be configured to the combustible gas type desired by using a Ventis Datalink and ISC Accessory Software. This will allow users to change the calibration gas configuration of the sensor to match the combustible gas cylinder type that is connected to the station.

4. **Cloud activate the DSX Standalone** – When a DSX is cloud activated, iNet Control allows for reconfiguration of the LEL sensor’s calibration gas type. If the user chooses to use the DSX offline after LEL sensor reconfiguration, the iNet Fulfilment Center can deactivate the DSX, returning it to use as a DSX Standalone.

For additional information, visit our website at [www.indsci.com](http://www.indsci.com) or contact your local Industrial Scientific representative. Global contact information can be found at [www.indsci.com/offices](http://www.indsci.com/offices).

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