GETTING TO KNOW YOUR DSX™ DOCKING STATION

INDUSTRIAL SCIENTIFIC

STATUS INDICATORS:

- The Green LED and check mark next to "iNet" indicates the docking station is available for use and cloud connected. The Green LED and an X indicates docking station is available for use but not cloud connected.

- The Red LED and check mark next to "iNet" indicates the docking station is unavailable for use but cloud connected. The Red LED and an X indicates docking station is unavailable for use and not cloud connected.

DSXi CLOUD-CONNECTED MODE iNET ACCOUNTS

DSXi and iNet Accounts units will automatically perform all scheduled tasks and updates for any compatible instrument in the account.

DOCK A COMPATIBLE INSTRUMENT:

1. Place the instrument into the cradle.

- **FACE DOWN:** Tango Series, MX4, and Ventis Series

- **FACE UP:** MX6 & GasBadge

2. If applicable, lower the hood. The hood uses spring tension to hold the instrument in place.

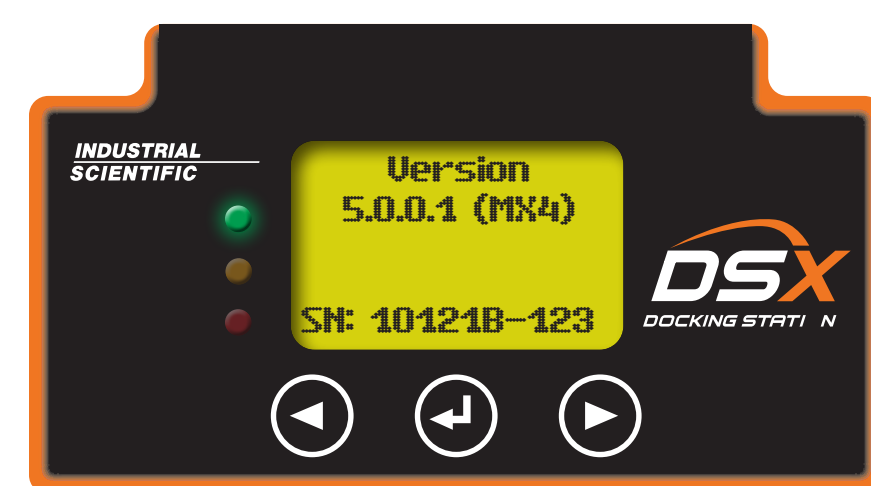**CAUTION:** Please consult the manual for the specifics of your model.

Based on the sensor configuration of the installed instrument, the docking station will draw gas (or air), as needed, from the appropriate cylinder(s).

ABOUT THE LED INDICATORS

GREEN LED — The docking station can be used when the green LED is on.

AMBER LED — Check the station's display screen for a message. Amber usually indicates that the docking station is performing some task, such as "Updating Instrument Settings". Green LED and Amber LED indicates ready for use and instrument is charging.

RED LED — Red means there is an error, which will be indicated on the display screen.

IF NEEDED, INITIATE A BUMP TEST OR CALIBRATION:

1. After this instrument has been placed on the docking station and has completed its tasks, this screen will appear.

2. Select the left arrow if you would like to "Bump" or select the right arrow if you would like to "Calibrate".

3. Select "Yes" or "No" by using the left and right arrow. Then use the enter button to make that selection.

4. When the bump or calibration is complete, the screen will return to the first image. You may remove your instrument.

Message display: Two alternating displays, with the headings of **Docking Station** and **Version**, each provide basic equipment information.
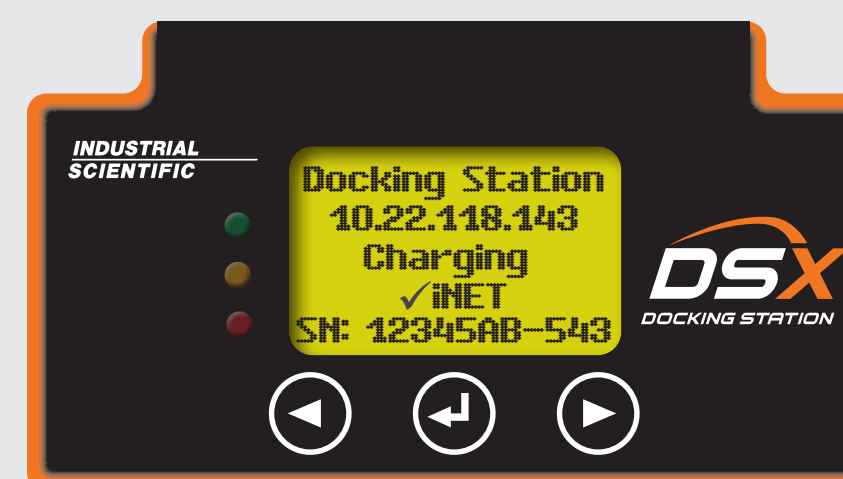
The IP address is also displayed and alternates with the firmware version number. The screen indicates the docking station has successfully completed any scheduled instrument tasks and the instrument is ready to use.

When start-up is successfully completed, the green LED light will be on and the "ready screen" should display this text:
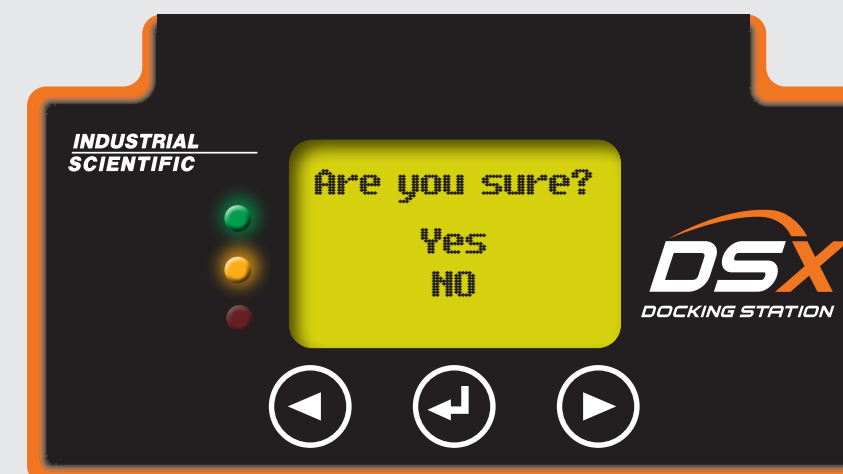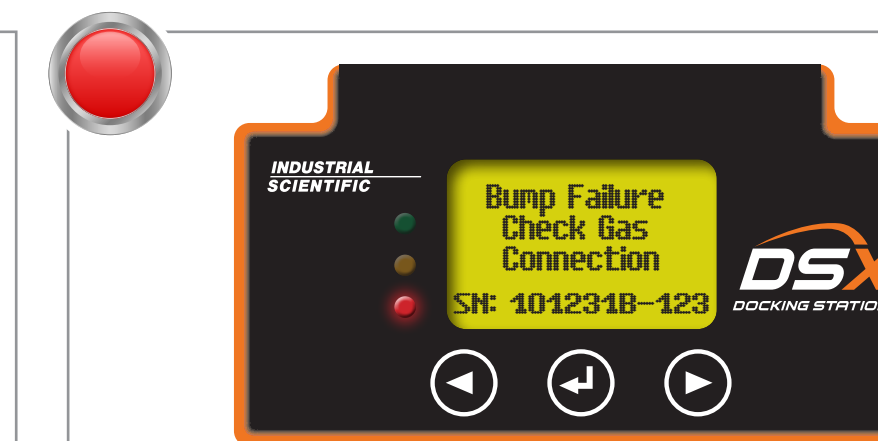
- For Standalone Mode units, "Standalone" (left).
- For DSXi units and iNet Accounts, "Docking Station" and "✓iNet". Note: If these messages don't display within 15 minutes, the unit is not cloud-connected. For iNet accounts, contact Industrial Scientific.
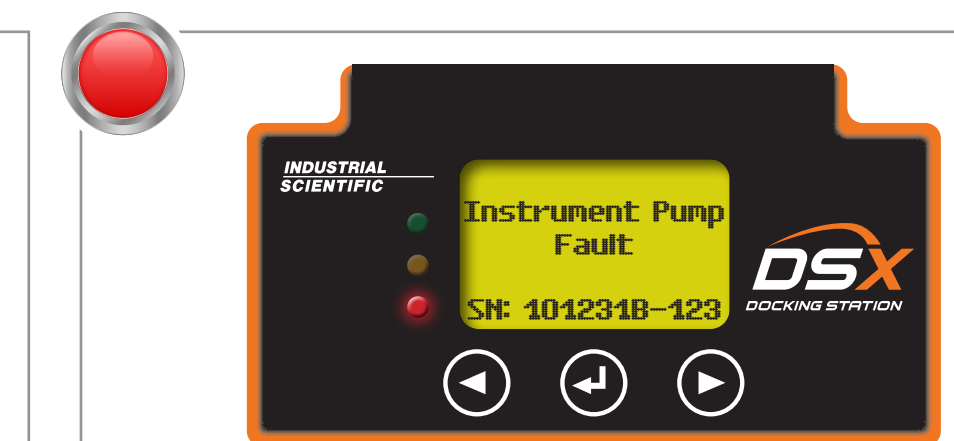

Message display: "Calibration Failure"
One or more installed sensors failed calibration. The display message will indicate the in-failure sensors.

Recommended action:
Press the enter button to display menu, select instrument, and conduct a forced calibration. If that does not work, replace any sensors that will no longer pass calibration or contact tech support.
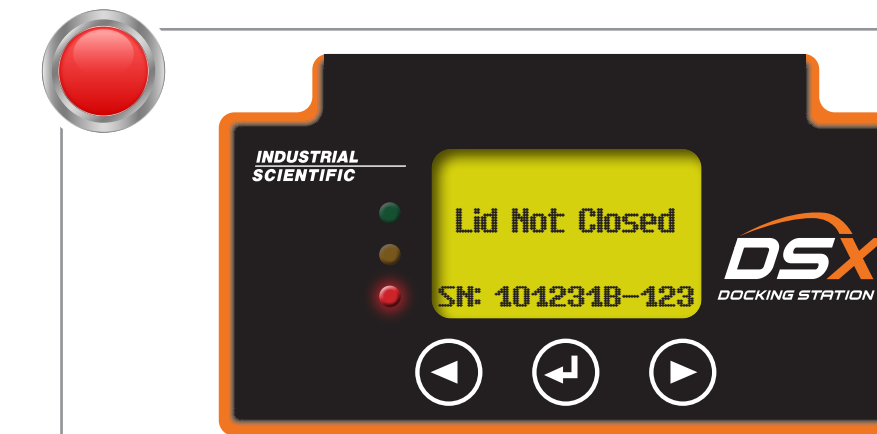

Message display: "Bump Failure Check Gas Connection"
Indicates more than one installed sensors failed bump test. The display message will indicate the in-failure sensors and recommend checking the gas connections.

Recommended action:
Check the gas connections. Then press the enter button to display menu, select instrument, and conduct a forced calibration. If that does not work contact tech support.

Message display: "Instrument Pump Fault"
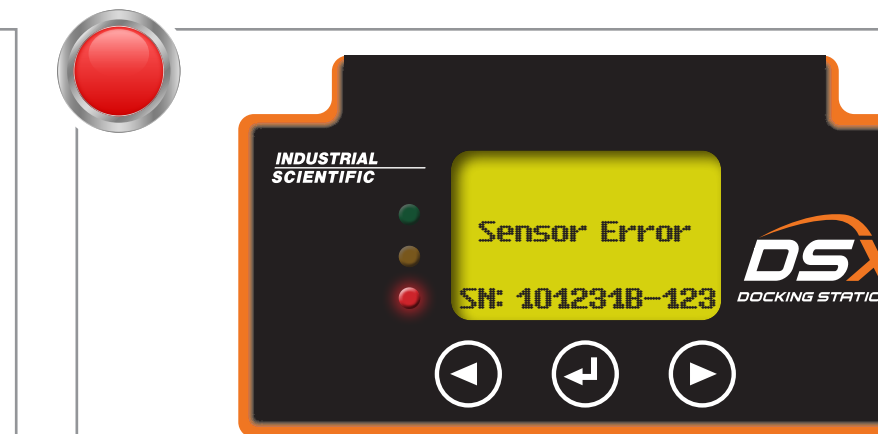The docked instrument is in a pump fault state.

Recommended action:
Undock and power off the instrument. Check the instrument's pump and correct for debris, improper installation, or damage in these areas: inlet cap, inlet barrel, and dust filter. Replace any damaged or consumed parts.

Message display: "Lid Not Closed"
Indicates that an instrument is docked, but the station's lid is not closed.

Recommended action:
Check the cradle lid. On closure a slight connection impact can be felt. For stations that serve aspirated instruments, some have a detachable lid: check that the lid is fully attached. If the station is serving an aspirated instrument but does not have a lid, check the instrument's pump for a pump fault.

Message display: "Sensor Error"
Indicates that the docked instrument has a sensor in an error state. If available the position of the in-error sensor will be displayed.

Recommended action:
Undock the instrument and address any sensor installation issues.

Message display: "Unavailable Gas"
Indicates the DSX cannot access one or more of the calibration gases required for a bump test or calibration.
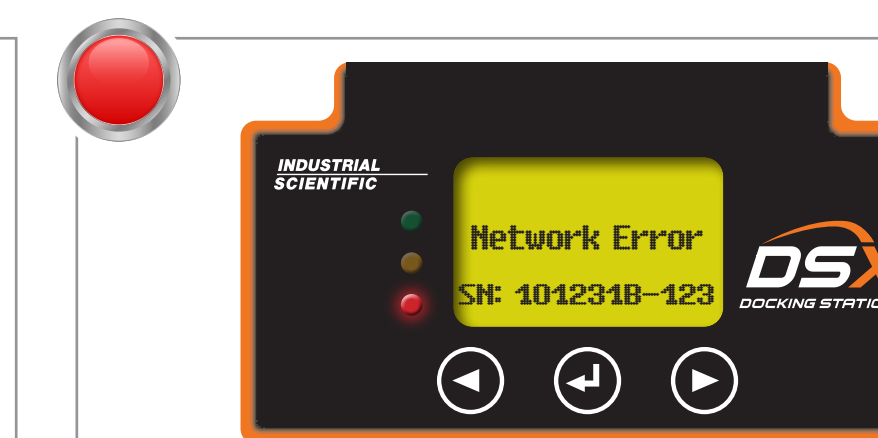
Recommended action: Do not use the Instrument. Contact qualified personnel to check the following:
- The cylinder's gas (or gas blend) supports the installed sensor(s).
- Supported cylinder, card reader connection and if applicable confirm manifold assignment in iNet Control.
- The iGas card-reader and tubing connections are secure in all locations: the card-reader, the regulator, and the docking station ports.

Message display:
"Return Instrument to Industrial Scientific"
The instrument is inoperable. It has been deactivated by Industrial Scientific. Depending on the instrument type, it may alarm, or it may display a message similar to "config".
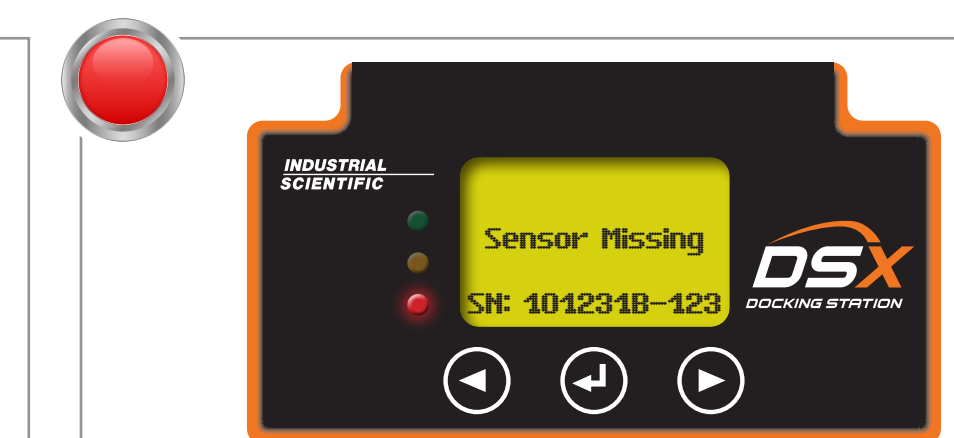
Recommended action:
Undock the instrument and return it to Industrial Scientific.

Message display: "Network Error"
Indicates the docking station is unable to connect to iNet Control. If available, the station's IP address is stated on its display screen.

Recommended action:
Troubleshoot internet connectivity to the dock. Escalate to your IT professional or contact Industrial Scientific.
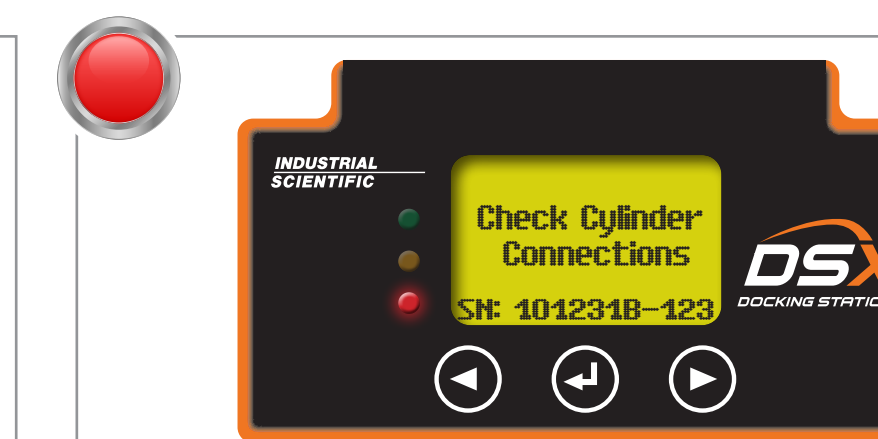

Message display: "Sensor Missing"
The docked instrument uses DualSense® technology (sensor redundancy) and has only one sensor installed.

Recommended action:
The instrument display will indicate which sensor caused the error. Respond according to company safety policy.

Message display: "Communication Error"
The docking station is unable to communicate with the docked instrument. This may indicate a low or dead battery, or an issue is preventing the instrument from charging. For example, the instrument was docked after exposure to cold weather or excess heat was generated during charging.

Recommended action:
Remove instrument and check contact point for debris. Clean the contact area with a dry cloth and re-dock the instrument. If the error persists, check the instrument's battery and replace if needed. If the error persists, contact ISC.

Message display: "Check Cylinder Connections"
Indicates a possible error in the cylinder connections. The part number of the affected cylinder is displayed.

Recommended action:
Check the cable and tubing connections at the back of the station, the card-reader, and the cylinder's regulator. Be sure that each cable and tubing pair is connected to one port set (i.e., the cables or the tubes are not "cross connected").

Scan QR code for detailed troubleshooting within the user guide.