

Pre-Use Checkout

A. Initial Connections (check all connections)

1. Check white plastic tip on regulator for damage
2. Connect high pressure regulator to INOMAX[®] cylinder and INOMax DS_{IR}

B. Perform high pressure leak test

Note: Make sure INOMAX cylinder icon is present and INOMax DS_{IR} backup and INOblender are OFF

1. Open/Close INOMAX cylinder valve
2. Wait 30 seconds and ensure no pressure drop

C. Perform low range calibration

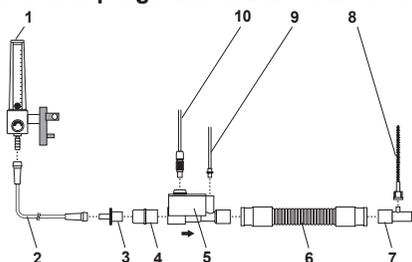
(second menu level)



Note: Once the calibration is completed (bars turn green) press the menu button twice to return to the main screen



D. Perform purge and alarm verification



1. O₂ Flowmeter
2. O₂ Tubing
3. 15 M x 4.5 mm Adapter
4. 22 M / 15 F x 22 M / 15 F Adapter
5. Injector Module
6. 300 mm of 22 mm hose
7. Gas Sample Tee
8. Patient Gas Sample Line with Nafion
9. NO/N₂ Injector Tube
10. Injector Module Electrical Cable

Assemble connectors and tubing as shown

1. Ensure INOMAX cylinder valve is closed
2. Connect to wall or cylinder oxygen
3. Set O₂ Flowmeter to 10 L/min
4. Set INOMax DS_{IR} dose to 40 ppm "Cylinder Valve Closed" alarm will occur
5. Purge is complete when "Low NO/N₂ Pressure" alarm activates
6. Open cylinder valve
7. Turn INOMAX dose to zero (note: The "Set Dose is Zero, Close Cylinder Valve" indicator will appear, at this point do not close the cylinder valve)

E. Perform Backup delivery test

1. Ensure oxygen flow of 10 L/min
2. Turn Backup delivery ON
3. Verify "Backup ON" alarm activates
4. Verify values
5. Turn Backup delivery OFF



NO = 14-26 ppm
NO ₂ = ≤1.0 ppm

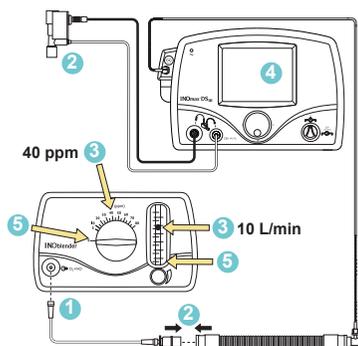
F. Complete INOMax DS_{IR} Performance Test

1. Ensure oxygen flow of 10 L/min
2. Set INOMAX dose to 40 ppm
3. Verify values
4. Turn the INOMAX dose to zero

Acceptable NO Value	35-45 ppm
Acceptable NO ₂ Value	<1.5 ppm
FiO ₂	95% ±3%

G. Perform INOblender Test

1. Remove the Pre-Use set-up oxygen tubing from the oxygen flowmeter and connect it to the front of the INOblender
2. Remove the injector module from the Pre-Use set up and reconnect the adapters



3. On the INOblender, set the INOMAX dose to 40 ppm and O₂ flow to 10 L/min
4. Verify values on the INOMax DS_{IR}
5. Turn the dose and flow to zero and remove the Pre-Use set-up from the INOblender

Acceptable NO Value	32 - 48 ppm
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The INOMax DS_{IR} is now ready to connect to the patient

Warning: If not starting therapy within 10 minutes, depressurize the INOMAX regulator

End of Pre-Use Checkout



WARNING: This reference card is not a substitute for the INOMax DS_{IR} and INOblender Operation and Maintenance manuals. Refer to these manuals for all applicable cautions and warnings.

Calibration

WARNING: INOMAX can be administered during the sensor calibration process. However, inspired gases are not monitored and gas monitoring alarms are disabled.

Caution: When performing a high range calibration make sure to select the correct calibration gas and confirm the expiration date before using.
Never connect the sample line directly to a high pressure gas source (greater than 150 cmH₂O); this could damage the sampling system.

Note: The calibration process can be stopped at anytime by pushing the Cancel Active Status button on the touch screen.

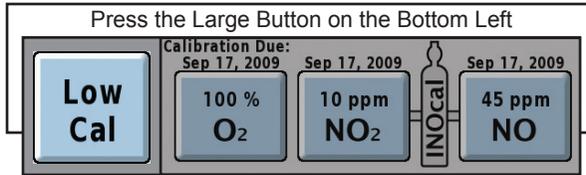


Low Range Calibration

Perform daily

To access the calibration menu: Press the menu button  on the main screen to enter the menu screen (second menu level)

The lower part of the menu screen displays the 4 calibration buttons



Note: If the date is flashing it signifies the calibration is past due.

High Range Calibration

Perform every thirty days or as necessary

Oxygen Sensor

1. From the menu screen (second menu level) press the 100% O₂ button to bring up the O₂ high range calibration screen (third menu level)

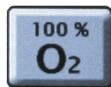


2. Assemble the following components into a calibration setup

- (1) 100% O₂ source
- (2) O₂ Tubing
- (3) 15M x 4.5 mm Connector
- (4) Gas Sample Tee
- (5) Patient Gas Sample Line

3. Set oxygen flow to 5 L/min

4. To start the O₂ high range calibration, press the flashing 100% O₂ button on the right hand side of the screen



NO₂ Sensor and NO Sensor

This procedure is for calibrating the NO or NO₂ sensor

- The NO₂ high range calibration requires an INOCAL[®] cylinder of 10 ppm NO₂ (pink label)
- The NO high range calibration requires an INOCAL cylinder of 45 ppm NO (teal label)



or



1. From the menu screen (second menu level), press the 10 ppm NO₂ button or the 45 ppm NO button to bring up the calibration screen (third menu level)
2. Turn the INOCAL cylinder on and check that there is adequate pressure (replace if in the RED zone)
3. Attach the INOCAL sample tee to the sample line of the INOMAX DS_{IR} (beige adaptor is a pressure relief)



or



4. To start the high range calibration, press the flashing button on the right hand side of the screen