

NGPOD System

Quick User Guide



NGPOD®



Quick User Guide

This Quick User Guide is a step by step illustrative guide on how to use the NGPOD®.

It is the responsibility of the clinical practitioner, based on the signal from the NGPOD® device together with his or her own skills and experience, to make the final judgment as to the successful emplacement of the feeding tube and therefore whether feeding may safely proceed.



This guide should be used in conjunction with the NGPOD® Instructions for use which can be found at:

<https://www.ngpodglobal.com/resources>
or through the NGPOD® App available through the Apple App Store or Google Play Store.



View the NGPOD®
instructions for use
document

NGPOD® is designed to signal to the clinical practitioner that the presence of a substance with a pH below 5.5 has been detected. When the NGPOD® device is used in the correct manner a positive signal can typically be understood to mean that the presence of stomach acid has been detected.

The NGPOD® is a device to assist in position confirmation of an NG tube and consists of a re-usable, portable handheld detection device and a single use fibre-optic Sensor tipped with a pH indicator.

NGPOD® provides a visual indication of the pH environment of the NG tube tip. The result is a YES/NO indication, reducing the risk of clinical interpretation error.

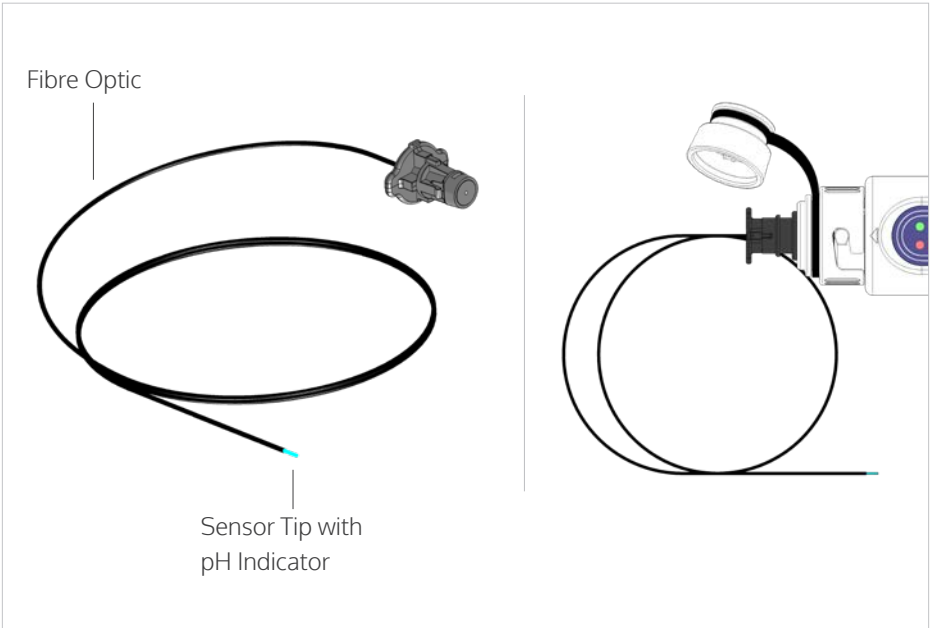
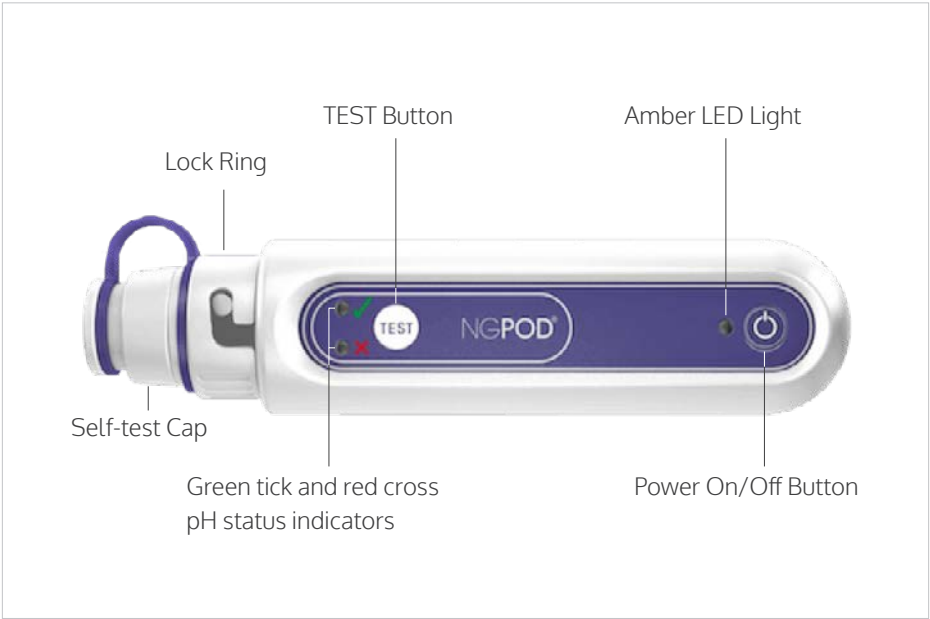
NGPOD® should only be used by someone who has been trained in its use and the decision to use the NG Tube only made by someone who is competent to do so.

The result obtained from NGPOD® should be used in combination with other clinical signs and assessments to determine whether it is safe to use the NG Tube to administer nutrition, hydration or medication.

These instructions DO NOT replace local guidelines for NGT placement.

For more information on NGPOD and the opportunity to complete a training assessment, download the NGPOD App (IOS + Android).

Device Components



Step 1 • NGPOD® Self-Test Check

- 1

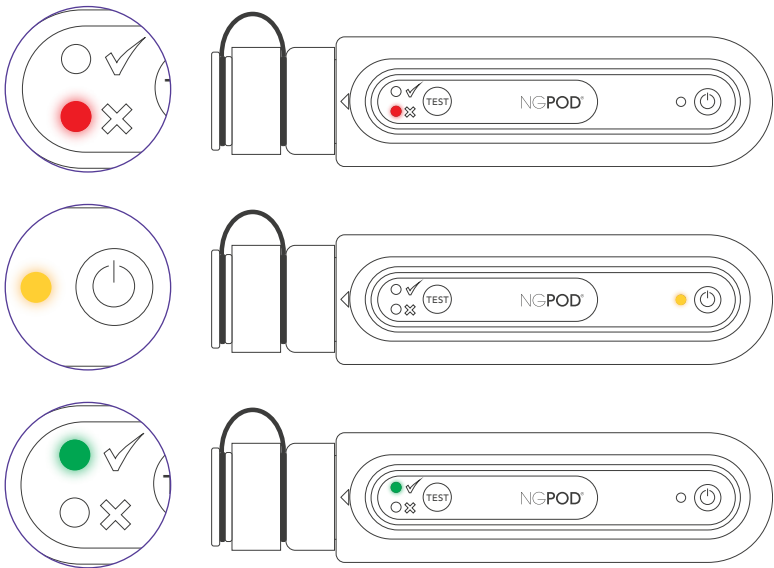
Ensure the NGPOD® Collar, Lock Ring and Self-test cap are in place.



i If the Self-test Cap is not in place, the Self-Test will fail

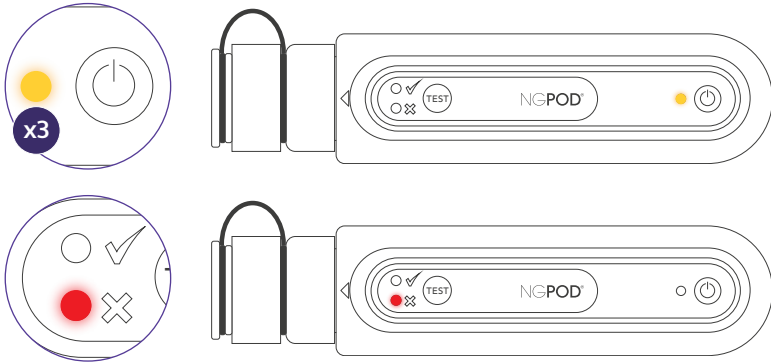
- 2

Press and release the Power button and observe the following light sequence:
RED - AMBER - GREEN



- i** If the Self-Test fails, red LED will illuminate 4 times and the device will shut down. Refer to full **Instructions for Use** troubleshooting section for further information

- 3** If the device passes the self-test, the device will enter a sequence of three flashes of the amber LED adjacent to the power button, followed by one flash of the red (cross) indicator. The device is now in “Sensor Check” mode which will continue until an NGPOD® Sensor is connected to the hand-held device.



Step 2 • Sensor Check Mode



Check that the sensor selected is the correct one for use with the nasogastric tube. Please refer to Appendix 1 of the NGPOD® Instructions for use that can be found at at <https://www.ngpodglobal.com/resources> or through the NGPOD® App

1

Open Sensor package slightly to access the grey Sensor Connector whilst leaving the tip of the Sensor inside the packaging.

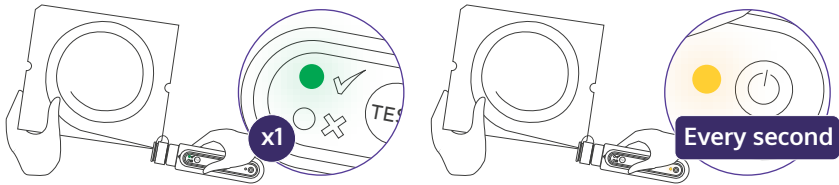
2

Remove the Cap and hold the POD so you can see the LED indicator lights clearly.

3

Gently push the NGPOD® sensor connector onto the NGPOD® handheld device Lock ring and rotate it until it clicks and seats itself into the device and will no longer rotate.

The green light will flash once as soon as a functioning sensor is connected, followed by the amber LED which will flash every second indicating that the device is now in pH test mode and ready to use.



If successful, the amber LED will now flash once every second, the device is now ready to be used.

4

The NGPOD® Sensor can now be disconnected from the NGPOD® Hand held device before continuing with Step 3 Sensor Insertion.

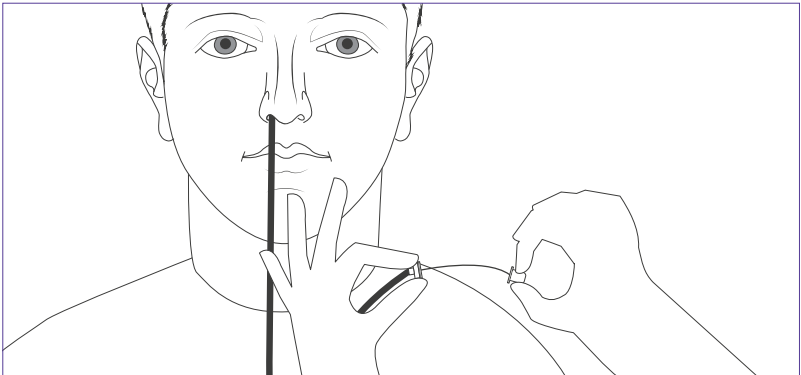
Step 3 • Sensor Insertion

Unless the patient already has a nasogastric tube in place, intubate patient with NG tube as normal.

If there is a guidewire in place, remove this before attempting to insert the Sensor.

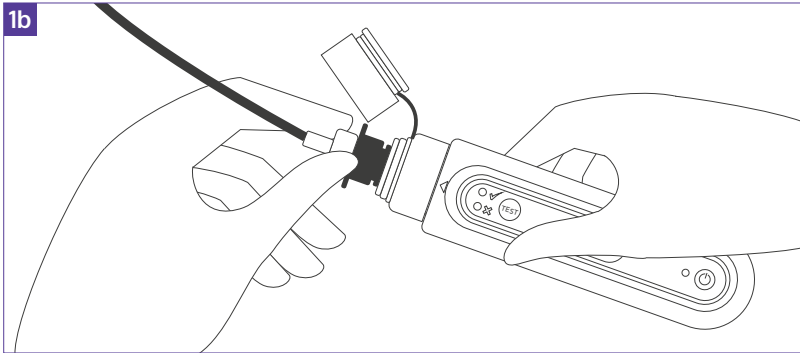
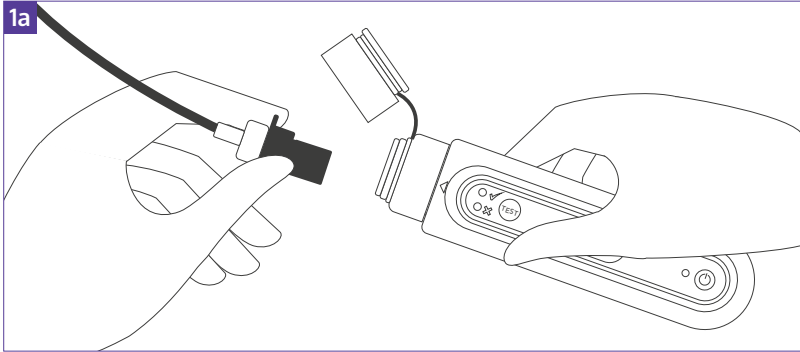
1

Remove the validated sensor fully from its packaging and insert into the lumen of the NG tube until the grey Sensor Connector is in contact with the NG tube connector.



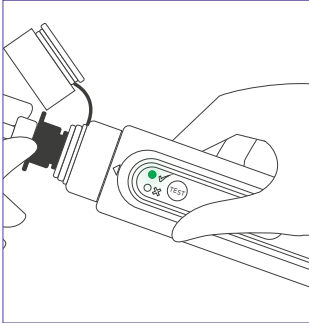
Step 4 • Using the NGPOD®

- 1 If the NGPOD® sensor has been disconnected from the NGPOD® handheld device reconnect it now. The NGPOD® sensor should click into place as in step 2 and should not rotate when properly seated in the connector.

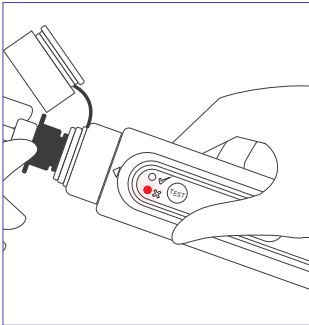


- 2 Pause approximately 20 seconds after full insertion of the sensor then press the Test button once. Press the TEST button.





Green indicates that the tip of the Sensor has come into contact with fluids that have a pH less than 5.5.



Red indicates that the tip of the Sensor has NOT come into contact with fluids that have a pH less than 5.5 or the reagent has not yet had sufficient time to fully react. Do not remove the sensor before sufficient time has been allowed for the reaction to take place - see step 3 below.

3 If NGPOD® gives a Red result, keep the Sensor in the NG tube, wait a further 20 seconds before pressing the test button again. This can be repeated for up to 5 minutes however, after 2 minutes consider:

- Repositioning the NG tube as per local guidelines and re-testing
- Repositioning patient and re-testing. The NGPOD® Sensor should be kept in the NG Tube while these actions are completed. If the NGPOD® sensor is removed from the NG Tube it should be disposed of and a new sensor validated prior to conducting further tests



If the NGPOD® continues to give a **RED** result then DO NOT commence feed

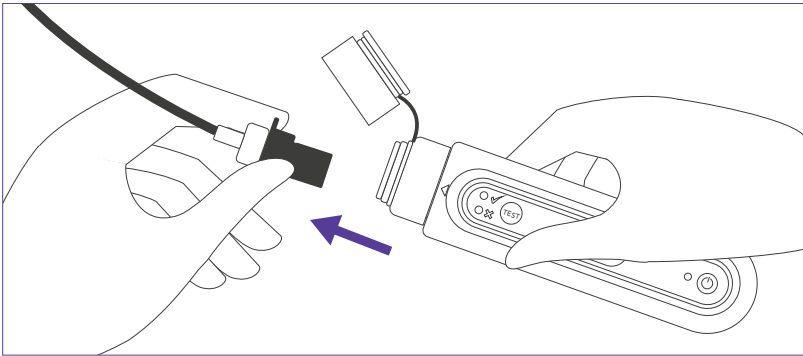


Do not leave the Sensor in the NG Tube for more than 5 minutes

Step 5 • Remove + Dispose Sensor

- 1


Disconnect the Sensor from the NGPOD®.


- 2

Carefully remove the Sensor from the NG tube
- i

Take care not to dislodge the NG tube when removing the sensor
- 3

Dispose of Sensor in clinical waste in line with local policy.


- i

Anti-bacterial cleaning wipes can be used to clean the NGPOD® handheld device between patients. Refer to local policy for cleaning of non-invasive medical devices. Please also refer to our Cleaning Guidelines on our website <https://www.ngpodglobal.com/resources>



2-4%

of all tubes are misplaced in the respiratory tract¹



6

Patient Safety alerts since 2005



45%

Never Events are caused by x-ray misinterpretation³



286

'Never Events' associated with NG tube misplacement between 2009 and 2020 in England and Wales

For all enquiries, please contact:



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