

NGPOD System

Quick User Guide

NGPOD Firmware v1.5



NGPOD®

Quick User Guide

This is a step-by-step illustrative guide on how to use the NGPOD®.

It is the responsibility of the user, based on the result from the NGPOD® device together with their 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>



NGPOD® is designed to indicate to the user 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 result 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.

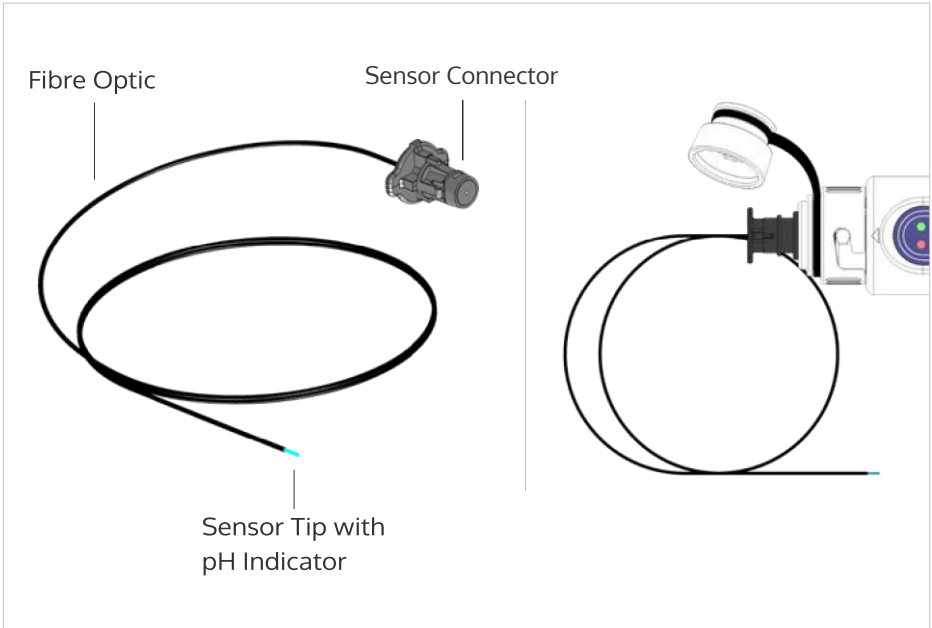
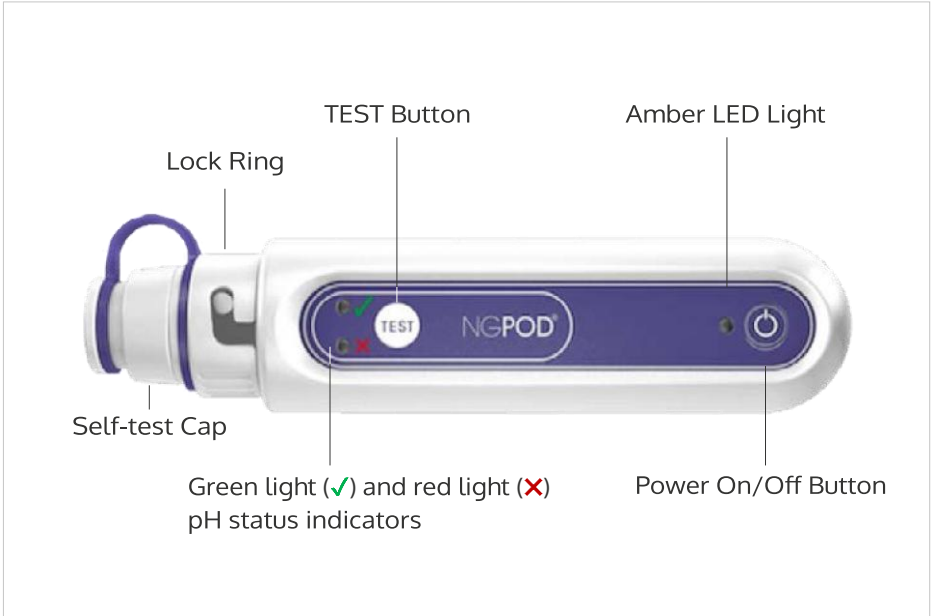
NGPOD® provides a visual indication of the pH environment of the NG tube tip. The result is a YES/NO indication, reducing the risk of clinical interpretation error.

NGPOD® should only be used by someone who has been trained in its use.

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.

Device Components

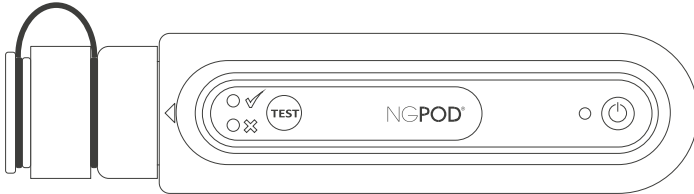


Step 1 • NGPOD® Self-Test Check

- 1

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

Once they are in place, power on the NGPOD® device.

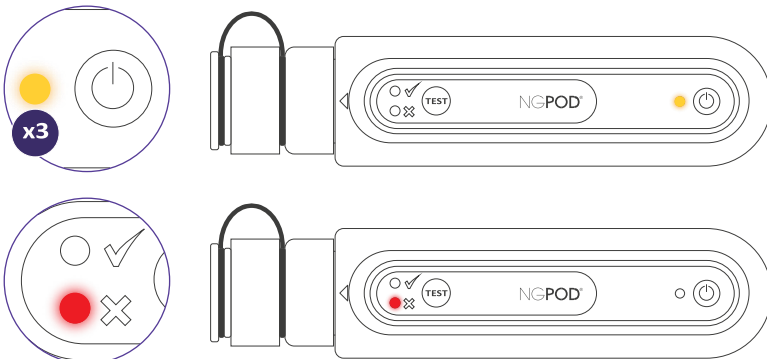


i If the Self-test Cap is not in place, the Self-Test will fail

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

- 2

If the device passes the self-test, the device will enter a sequence of three flashes of the amber light next 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 device.



Step 2 • Sensor Check Mode

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

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 NGPOD® device 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 amber LED light will flash every second as soon as a functioning sensor is connected. This indicates the device is now in pH test mode and is ready to use.



4 The NGPOD® Sensor should be disconnected from the NGPOD® device before continuing with Step 3 Sensor Insertion.

If the sensor is defective, a sequence of 2 red lights and 1 amber light will flash.

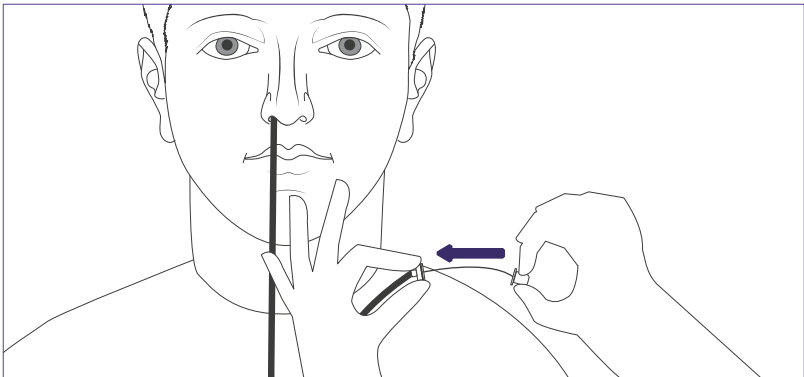
Step 3 • Sensor Insertion

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 fully insert into the NG tube until the grey Sensor Connector is in contact with the NG tube ENFit connector.



i

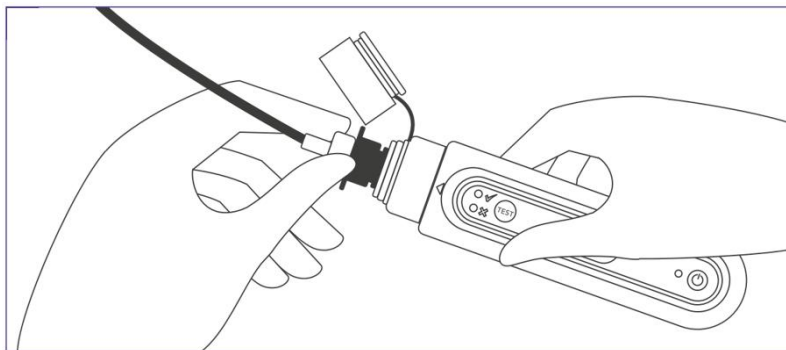
Following the sensor check, the NGPOD® will power off if the sensor is disconnected from the pod for a period of 5 minutes. If insertion into the NG tube takes longer than expected, the sensor can be temporarily reconnected to extend the time limit for a further 5 minutes.

Step 4 • Using the NGPOD®

1

Reconnect the sensor to the NGPOD® handheld device.

The NGPOD® Sensor should click into place as in Step 2 and it should not rotate when properly seated in the connector.

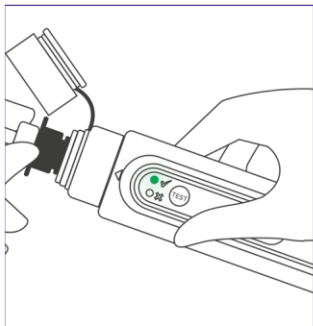


2

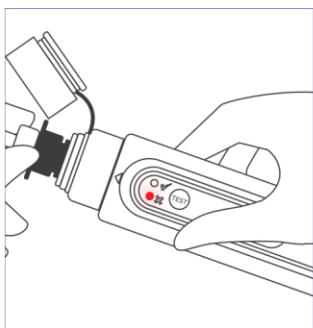
Once the sensor is reconnected to the device, the pH test starts automatically. The amber light next to the power button will flash indicating the test is in progress.

Do not remove the sensor and wait up to **5 minutes** for a **green (✓)** or **red (✗)** result to display.





A green light (✓) indicates that the tip of the sensor has come into contact with fluids that have a pH less than 5.5.



A red light (✗) indicates that the tip of the sensor has NOT come into contact with a fluid with pH less than 5.5 within the allowed time. It may take up to 5 minutes to achieve a red cross result.

i

The rate of amber flashes may increase to indicate that a reaction is progressing. This is only an indication and NOT A RESULT. A result is only indicated by either a **green light (✓)** or a **red light (✗)**. Wait up to **5 minutes** for a result.

3

If the NGPOD® device has not yet displayed a green light (✓) after 2 minutes, you may detach the POD from the Sensor and carry out further actions according to the NG tube protocol you follow, for example:

- Repositioning the NG tube as per local guidelines and re-testing
- Repositioning patient and re-testing.

NOTE: The NGPOD® Sensor should be left 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 (X)** result, DO NOT use the tube. Follow your protocol for second line testing (e.g. chest x-ray).

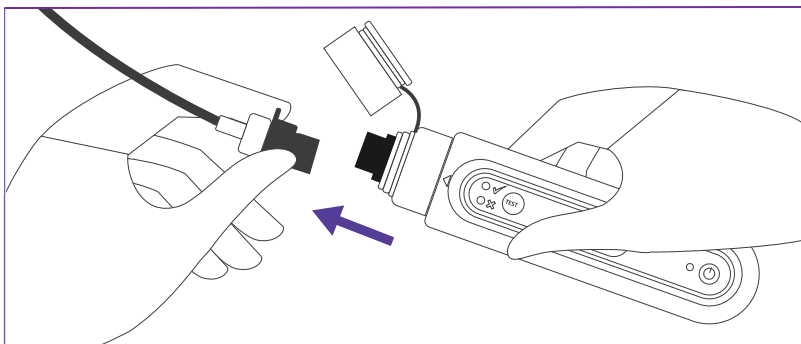


Do not leave the Sensor in the NG Tube for more than 5 minutes.

Step 5 • Remove + Dispose Sensor

1

Disconnect the Sensor from the NGPOD®. The device will automatically power off after disconnection (unless the test is terminated earlier than the allowed time).



2

Carefully remove the Sensor from the NG tube.



Take care not to dislodge the NG tube when removing the sensor.

NGPOD is a Class II medical device and should be disposed of as clinical waste in line with local policy.

3

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



i

Anti-bacterial cleaning
wipes can be used to
clean the NGPOD®.
Refer to local policy for
cleaning of non-invasive
medical devices. Also,
please refer to our
cleaning guidelines on
our website.

For all enquiries, please contact:



Registered Office (England & Wales):

NGPOD Global Ltd
Unit 7 Berkeley Court
Manor Park
Runcorn
Cheshire
WA7 1TQ
United Kingdom



Advena Ltd. Tower Business Centre,
2nd Flr., Tower Street, Swatar, BKR 4013
Malta

Customer Support:

+44 (0) 161 696 6400
info@ngpodglobal.com

www.ngpodglobal.com