

# STIMPOD NMS 410

## Features and Benefits



### Combined Nerve Mapping and Nerve Location

Auto sensing technology provides a solution for simultaneous nerve mapping and nerve location. The StimPod monitors whether the mapping probe or needle touches the patient and adjusts the current range accordingly, ensuring quick and precise nerve location.

This technology provides a cost effective alternative to ultrasound techniques for determining anatomical deviations prior to needle insertion. The technique reduces the time of the procedure and provides favourable patient comfort and safety.

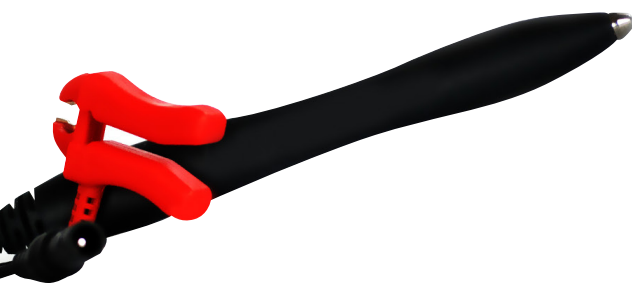


### Nerve Mapping Probe

The StimPod Nerve Mapping Probe was designed to enable transcutaneous nerve mapping at higher currents (to a maximum of 20mA), whilst the tip offers a contact surface small enough to ensure effective discrimination.

Deeper peripheral nerves require higher current to be recruited by transcutaneous stimulation. The StimPod sensing technology and Nerve Mapping Probe designs facilitate larger currents, thus increasing the percentage of peripheral nerves that can be targeted.

See <http://www.xavant.com/downloads/nerve-mapping-techniques.pdf>



### Charge Transfer Waveform

The StimPod displays real time graphical representation of the actual waveform delivered.

The displayed waveform serves as a quick reference for excessive impedance (>20kOhm) in the circuit. The waveform will indicate if the pulse is delivered according to the settings. If the waveform is not square this will immediately indicate excessive impedance in the circuit and all elements in the circuit i.e. ecg electrodes and/or skin condition, needs to be re-assessed before nerve location can be successfully completed.

See <http://www.xavant.com/downloads/stimulation-waveform-interpretation.pdf>



### Proximity Indicator

Visual and audible feedback is given when the target current and pulse width ranges are reached indicating probable nerve proximity.

The Proximity Indicator provides a safety mechanism which prevents the user from getting confused with the current settings at different pulse widths. Prior to performing your peripheral nerve block, this unique indicator will provide indication of nerve proximity.



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### Non-Linear Current Adjustment

In this current adjustment mode the user can pre-program 20 different current and pulse width settings.

When adjusting the adjustment wheel the Stimpod will only scroll through the pre-programmed current and pulse width settings. (The default settings are calculated to facilitate the non-linear nature of the current intensity versus the distance from the nerve.)

See <http://www.xavant.com/downloads/non-linear-adjustment-mode.pdf>



### Technical Specifications

#### Current Range:

Nerve Locating: 0.0 - 5.0mA  
Nerve Mapping: 0 - 20mA

#### Load Impedance:

Nerve Locating: 0 - 20kΩ (100V)  
Nerve Mapping: 0 - 20kΩ (400V)

#### Stimulating Frequency:

1Hz, 2Hz, 5Hz

#### Dimensions:

145mm x 90mm x 30mm

#### Operating Temperature:

10 - 40° Celsius

#### Storage Temperature:

0 - 50° Celsius

### Order Information

#### Kits:

NMS410 Kit  
Product Code: XT-41001 (-NA)\*

#### Accessories:

Nerve Locating Cable  
Product Code: XT-41003 (-NA)\*

Instructions For Use  
Product Code: XT-45006-EN\*\*

#### Contents:

1 x Stimpod NMS410  
1 x Nerve Locating Cable  
1 x Nerve Mapping/Locating Cable  
1 x Instructions For Use  
1 x Carry Case

Nerve Mapping/Locating Cable  
Product Code: XT-41004 (-NA)\*

Carry Case  
Product Code: XT-41002

\* North America only i.e. Product Code: XT-45005-NA  
\*\* English (Refer to <http://www.xavant.com> for additional languages)



XM400-82A10-02 V01

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