

Stimuplex[®] HNS 12 with SENSE

To achieve the most reliable nerve stimulation



SENSe: Sequential electrical nerve stimulation

Evolutionary developments

What is SENSE?

Sequential electrical nerve stimulation (SENSe) technique utilizes an alternating sequenced stream or series of three electrical pulses of varying pulse duration at any given amperage. The two pulses of exactly 0.1 ms length are sequenced with a pulse of longer duration (e.g. 0.3 ms). The shorter pulses maintain the accuracy underlying successful nerve location, whereas the longer duration pulse enables stimulation at a greater distance.

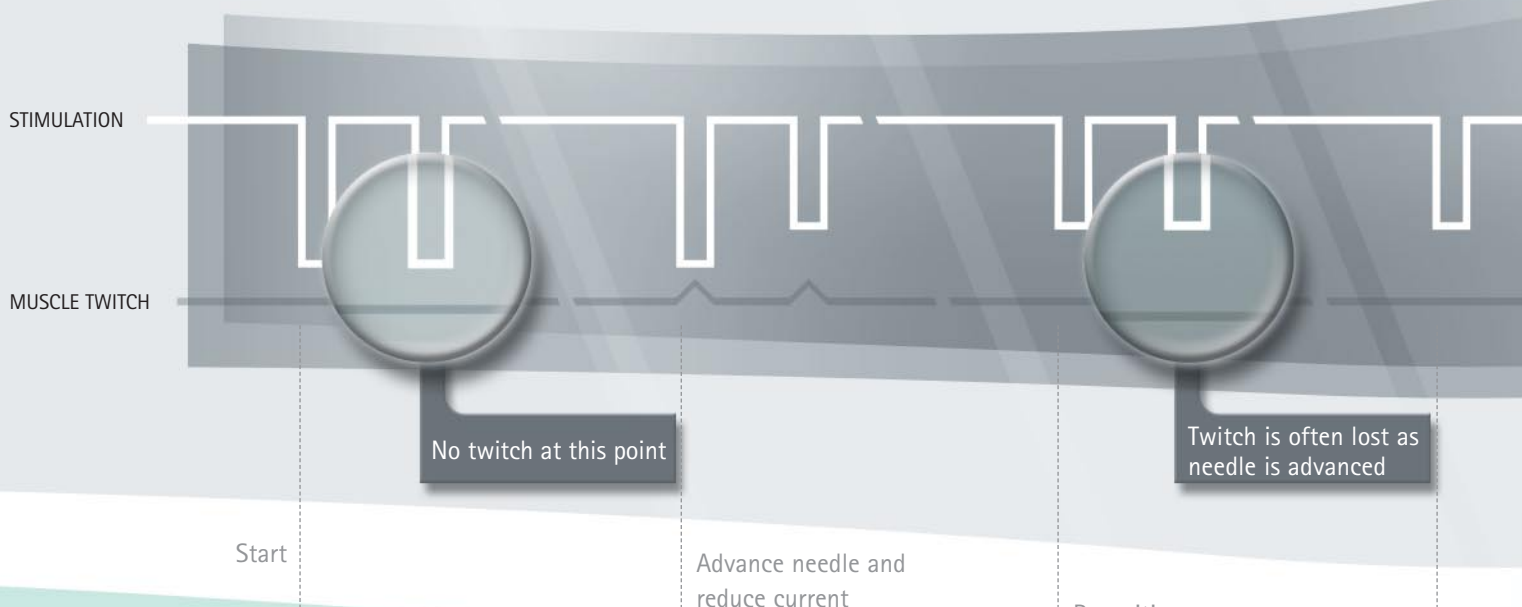
Therefore, SENSe maintains specificity and accuracy, while increasing sensitivity. Clinically, this translates into more motor response information at distance from the nerve and gives more continuous feedback and markedly diminishes the disappearance of muscle twitches once they are encountered. Therefore, SENSe automatically increases visual clues and feedback during nerve location by needle movement alone – resulting in less need to adjust the amperage control of the nerve stimulator.



Don't lose the twitch

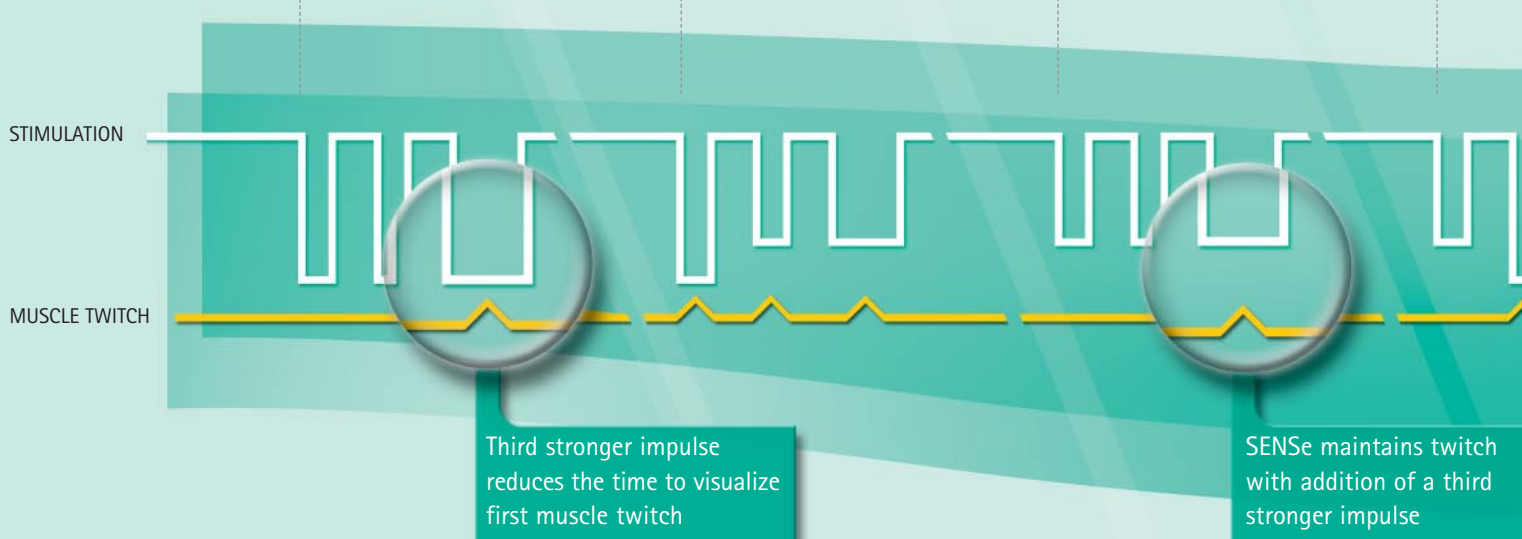
Conventional method

At a constant impulse length, very small variations in needle position can cause loss of visible muscle reaction; either the impulse length or the current must then be increased to regain the muscular reaction.



Easier with SENSE

The stronger third impulse ensures that at least one muscular reaction is maintained even if the needle position changes; this allows an easier and more reliable localization of the desired nerve and better blocks.



* Use of Sequential Electrical Nerve Stimuli (SENS) for Location of the Sciatic Nerve and Lumbar Plexus. W. Urmev et al., Regional Anesthesia and Pain Medicine, Vol. 31 No. 5, September-October 2006

Better than ever: Stimuplex[®] HNS 12 with SENSE

se current to regain
muscular twitch

Result



*"SENSe automatically increased
visual clues and feedback ... with
less need to adjust the controls of
the nerve stimulator."**

User benefits

SENSe helps save time and improve patient comfort

- More motor response at a distance from nerve
- Continuous feedback without loss of muscle twitch
- Less necessity to adjust amperage control

Test winner!*

Stimuplex® HNS 12 – by far the best nerve stimulator

Don't lose the twitch ...



*An objective assessment of nerve stimulators used for peripheral nerve blockade.
D. Jochum et al., Anaesthesia, 2006, 61, pages 557-564

Accessories complement high performance

Regional Anesthesia



Stimuplex® HNS12 set

The Stimuplex® HNS12 suitcase allows safe and tidy storage for the nerve stimulator and all accessories.

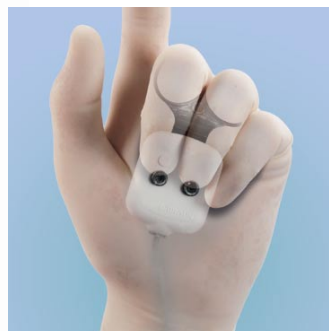


Well-balanced range of stimulation needles

To achieve the best stimulation and most effective blockade we recommend the use of Stimuplex® HNS 12 with our well-proven range of stimulation needles (Stimuplex® D and Stimuplex® A) and catheter sets (Contiplex® Tuohy, Contiplex® D, Contiplex® S).

All B. Braun needles are compatible with all B. Braun Stimuplex® nerve stimulators.

Product	Sales unit/Pcs.	Code No. (REF)
Stimuplex® HNS 12 with electrode cable for all B. Braun needles	1	4892098
Stimuplex® Pen device for percutaneous nerve mapping	1	4892099
Stimuplex® Remote Control for sterile one-hand operation	1	4892216B
Electrode cable for Stimuplex® HNS 11/12, length 125 cm	1	4892070
Battery cover for Stimuplex® HNS12	1	4892094
Suitcase for Stimuplex® HNS12	1	4892095
Test resistance for Stimuplex® HNS12	1	4892096
Knob for sterile handling	1	4892283
Fingerrings for Stimuplex® Remote Control RC	1	4892224B



Stimuplex® Remote Control

Previously available with our successful Stimuplex® Dig RC nerve stimulator, the Stimuplex® HNS 12 can also be used with remote control that allows sterile one-handed operation.



Stimuplex® Pen

The Stimuplex® Pen for percutaneous nerve mapping. It helps pre-assess the puncture site. Also suitable for educational and training sessions.

PNB equipment by B. Braun ... achieve more.

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SHARING EXPERTISE

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