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* 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

Stimuplex® HNS12 set

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

Product	Sales unit/Pcs.	Code No. (REF)
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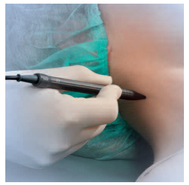

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PNB equipment by B. Braun ... achieve more.

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B. Braun Melsungen AG
34209 Melsungen
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Tel +49(0) 56 61 71-0
www.bbraun.com

Stimuplex® HNS 12 with SENSe

To achieve the most reliable nerve stimulation

SENSe: Sequential electrical nerve stimulation

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SHARING EXPERTISE

Evolutionary developments

Don't lose the twitch

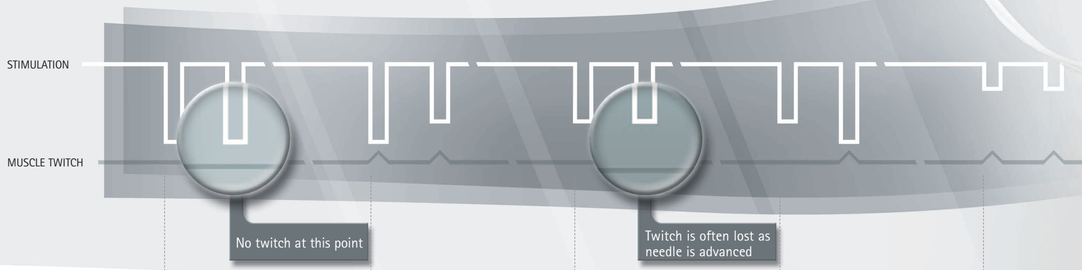
What is SENSe?

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.

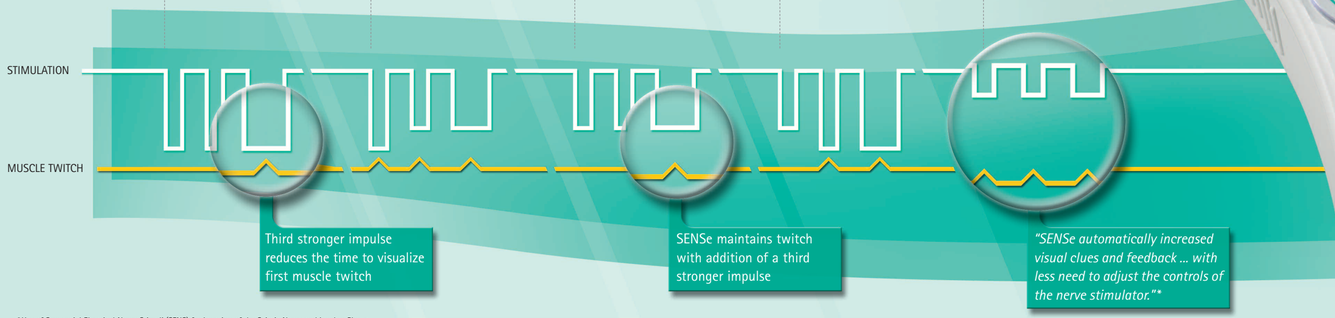
Conventional method

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.



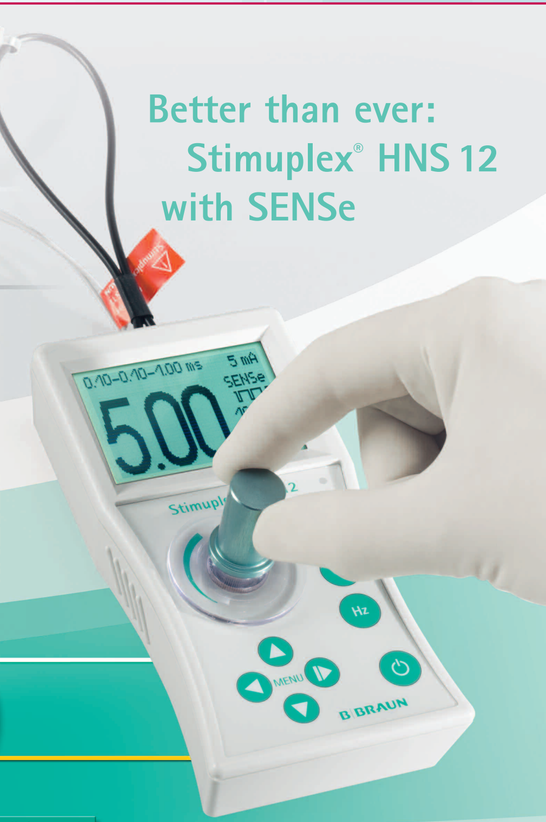
Easier with SENSe

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. Urmey et al., Regional Anesthesia and Pain Medicine, Vol. 31 No. 5, September-October 2006

Better than ever: Stimuplex® HNS 12 with SENSe



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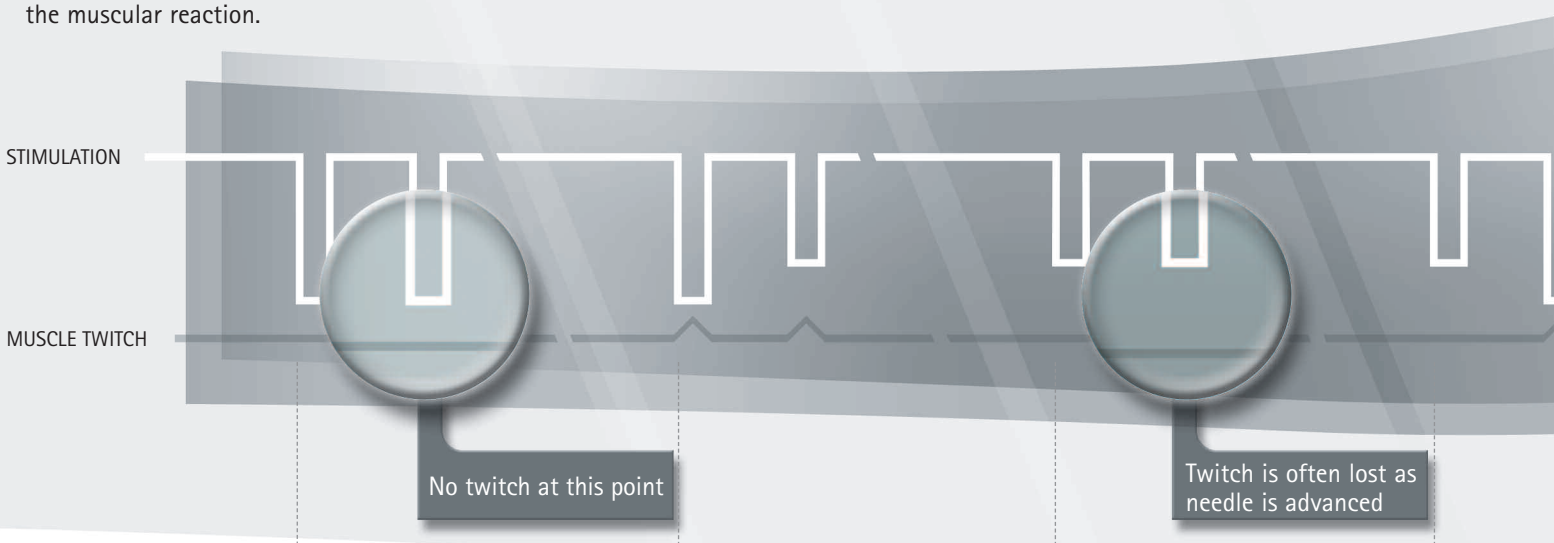

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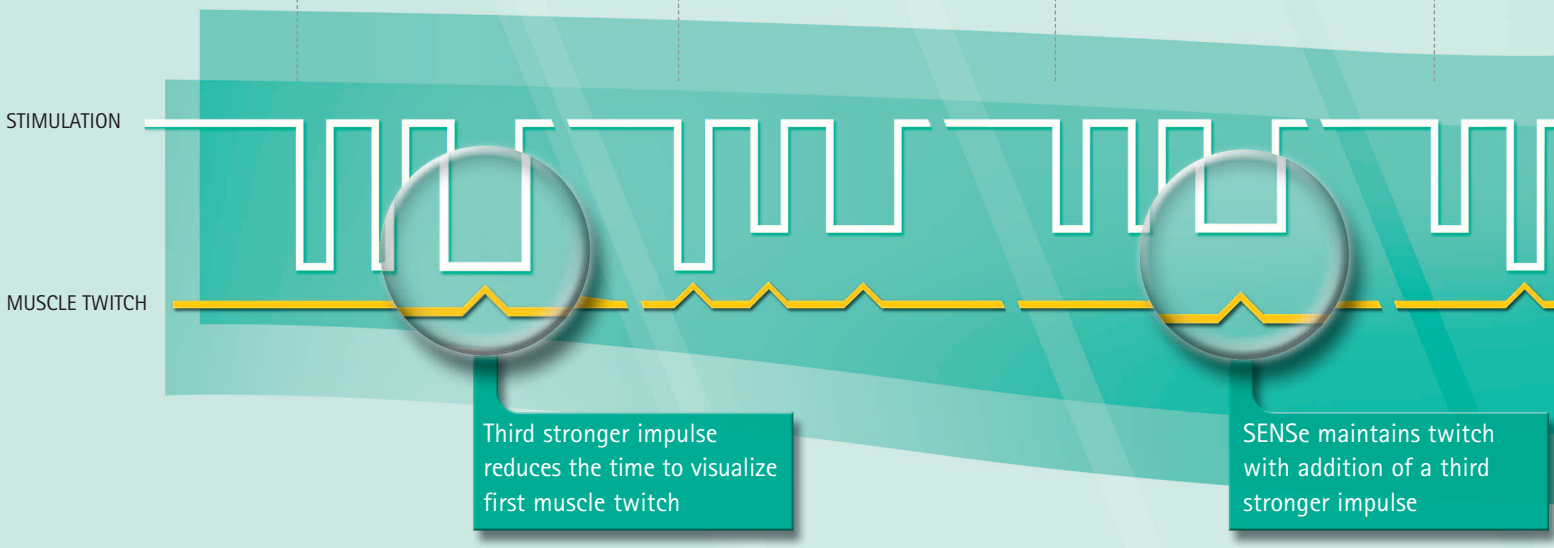

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current to regain
uscular twitch

Result

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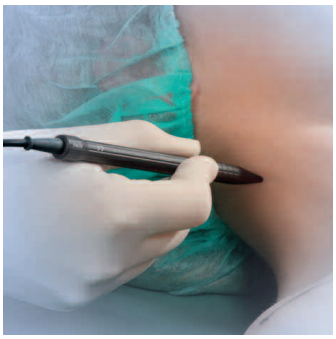

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