

taVNS

TRANSCUTANEOUS AURICULAR
VAGUS NERVE STIMULATOR

The only integrated device and accessories for clinical research on taVNS.

The Soterix Medical taVNS system is an inexpensive, low-risk, easy to administer, and portable option to modulate the vagus system.



taVNS Technical Specifications

Electrical and Operating Characteristics:

Power source: 3, 1.2V (nominal) 800 mAh rechargeable batteries (removable)

Battery life (on full charge): stimulation time of at-least 600 minutes* - not counting device on/off time (standby time).

Waveform: Monophasic Pulse

Current intensity: Adjustable from +500 μ A to +5,000 μ A with 100 μ A increment step

Duration: Adjustable from 5 to 60 minutes with 1 min increment step

Train Duration: Adjustable from 1 to 30 seconds with 1 second increment step

Inter Train Interval: Adjustable from 1 to 30 seconds with 1 second increment step

Frequency: Adjustable from 1 to 200 Hz with 1 Hz increment step

Pulse width: Adjustable from 20 to $[(1,000,000/F)-20]$ μ seconds; where F is the set frequency. 1 μ seconds increment step

Height: 6.3 in.

Width: 2.8 in.

Depth: 0.6 in.

Connector type: Shielded Banana