Our two devices are dedicated to stimulate the motor, sensory peripheral nerves and to central nervous system stimulation for skull base surgery, head and neck surgery.

The Nimbus i-Care is also able to monitor the electromyographic signal in response to this stimulation.

Exclusive stimulation probes adapted for each surgery

Their shapes allow extremely precise stimulation. The electrode tips are malleable, allowing adjustments to reach and stimulate nervous structures.
The disposable stimulation probes have been developed by Innopsys.

Peripheral nervous system - Class IIa

Monopolar stimulation
probe EN01-5D

Straight bipolar stimulation
probe EN02-5D

Straight large bipolar stimulation
probe EN02-10D

Straight tripolar stimulation
probe EN03-5D

Angled bipolar stimulation
probe EN02-5C

Angled tripolar stimulation
probe EN03-5C

Central nervous system - Class III

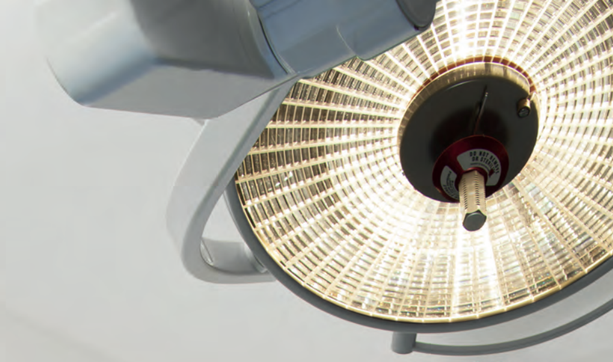
"Y" shaped bipolar stimulation
probe EN02-10Y
EC mark in process

	NIMBUS i-Care®	NIMBUS LIGHT i-Care®
Monitoring	Up to 8 monitoring channels (EMG)	-
Current intensity range	0 - 16 mA (32 mA peak to peak)	
Current Waveform	Rectangular biphasic or monophasic signals Choice of polarity for the first phase	
Pulse duration range	60 – 16000 µs	
Frequency range	1-800 Hz	
Burst mode	Burst duration 1 - 4000 ms Inter stimulus interval 0 - 1000 ms	
EMG curves exportation	USB port (pdf CSV formats)	
Dimensions	36.5 x 28 x 27 cm^3	
Weight	10.5 kg	

Parc d'Activités Activestre
31390 Carbonne
France
Phone : +33 561 971 974
Fax : +33 561 971 975
e-mail : contact@innopsys.fr

INNOPSYS
Medical Device

Manufacturer : Innopsys CE 0459
Please refer to instruction use
PMD-EN-004-Aug 2020



NIMBUS LIGHT i-Care®
IntraOperative Neurostimulation device

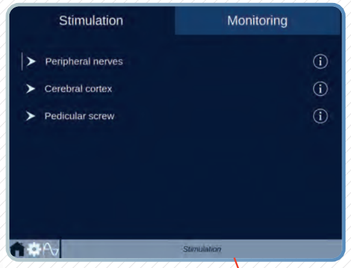
NIMBUS i-Care®
IntraOperative Neurophysiological Monitoring device

SIMPLICITY AND FLEXIBILITY BY YOUR SIDE

PRECISION IN YOUR HANDS

INNOPSYS
Medical Device

NIMBUS i-Care®



USER FRIENDLY

- Touch screen
- Intuitive and simple interface
- Predefined settings for clinical indication or for personal sessions
- EMG box can be positioned on operating table
- Remote control for distance use

RELIABLE EMG MONITORING

- EMG needles lead-off detection
- Continuous intensity setting from the sterile zone via remote control or via touch screen
- Continuous monitoring with over 8 EMG channels, latency and amplitude measurement
- Detection and deletion of the stimulation artefact
- Audible warnings for EMG signals
- Easy to read graphics : EMG signal freezes when it exceeds the adjustable threshold

RELIABLE

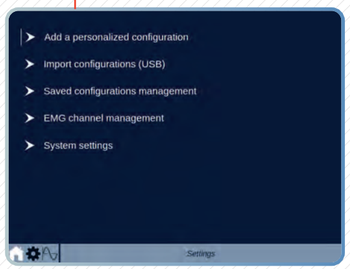
FLEXIBLE

FLEXIBILITY

- Importation and saving of customized configurations
- Ability to identify and personalize EMG recording channels
- Modification of each setting: current intensity, current waveform, pulse duration, frequency range, burst duration and interstimulus interval (burst mode)

RELIABLE STIMULATION

- Continuous display of programmed parameters, delivered current intensity and measured current circuit impedance
- Audible indicator that demonstrates the correct circulation of the stimulation current
- Continuous adaptation of the delivered stimulation current according to the measured impedance



Versatile system for surgeons' needs

The Nimbus i-Care Light for stimulation only and the Nimbus i-Care for stimulation and EMG monitoring are dedicated to surgeons for daily use in the operating rooms.

Skull base surgery

Direct electrical stimulation
- Cortical and subcortical mapping

Cranial nerves monitoring
- Cerebellopontine angle
- Skull base surgery

Facial nerve monitoring
- Mastoidectomy

Peripheral & Spinal nerve surgery

Peripheral nerves stimulation
- Neurotomy
- Hand surgery

Spinal roots stimulation and monitoring
- Spasticity correction surgery

Head & Neck surgery

Monitoring of the facial nerve
- Parotidectomy

Monitoring of the recurrent nerve
- Thyroidectomy
- Parathyroidectomy