



# NERVE STIMULATORS

MICROPROCESSOR CONTROLLED, CONSTANT CURRENT,  
PORTABLE, RELIABLE & ACCURATE STIMULATORS



- Neuromuscular monitoring
- Transcutaneous mapping of the peripheral nerves
- Nerve location of motor & sensory nerves



## FEATURES

- Alphanumeric LCD display with back-light
- User friendly, soft-touch, spill-proof keypad for easy operation
- Variable current range
- User programmable pulse width and frequency with default setting
- Audio-visual indication for pulse delivery and error
- Auto switch-over between mains power adaptor and rechargeable battery
- Automatic shutdown for power saving
- Audio and back light on-off option
- Low battery indicator
- Portable, small and light-weight

### NERVE STIMULATOR-MAPPER-LOCATOR NSML-100

**NSML 100 is a combined ALL IN ONE UNIT.**

- Nerve stimulator mode
- Mapper mode
- Locator mode-motor and sensory nerves

Separate output for Stimulator/Mapper with 4 mm jack and for Locator with 2 mm jack..



### NERVE STIMULATOR NS-100/NSML-100

**It is used for safe, scientific and assured relaxation as well as reversal during general anaesthesia.**

**INMED stimulators with special features:**

- Audible alert prior to actual pulse delivery
- User programmable for continuous monitoring of TOF and TW from 1 to 30 Min (NSML100)
- Built-in calculation of supra-maximal current with special algorithms (NSML 100)

Twitch (TW): on demand/repeat at 1 Sec and at 10 Sec

Train of four (TOF): on demand/repeat at 10 Sec

Tetanus (50 Hz) (TET)

Double burst stimulation (3:3) (DBS)

Post tetanic count (PTC)





## NERVE MAPPER-LOCATOR NM-20/NSML-100

NERVE MAPPER (For transcutaneous tracing of nerves)

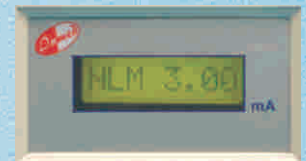
Nerve Mapper is a unique mode to identify the course of nerves lying at depth from the skin. It helps to locate the nerves transcutaneously, identify the entry point and reduce patient discomfort. It is an excellent tool to define anatomical land-marks for the entry point, especially in growing children, obese patients & in cases of distorted anatomy.



## NERVE LOCATOR (Motor nerves) NM-20/NSML-100

**Excellent for reliable location of nerves using very low current, increasing the success rate of regional anaesthesia and reducing the risk of nerve damage as compared to paresthesia technique.**

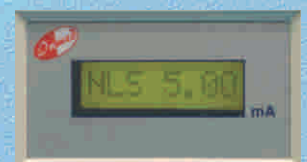
- Locating motor and mixed nerves for block
- Identifying motor nerve during Neuro, Ortho, Paediatric, Plastic and ENT Surgery  
(E.g. Facial nerve detection during parotid surgery)
- In otolaryngology test of facial nerve function



## NERVE LOCATOR (Sensory nerves) NM-20/NSML-100

**Sensory mode is a unique feature to identify sensory nerves as in a Radio Frequency Lesion machine.**

The practitioner can identify sensory nerves like glossopharyngeal nerve, the maxillary branch of trigeminal nerve and other sensory nerves to be blocked in O.R. and Pain Clinic.





# Technical Specifications

PARAMETER MODE/MODEL		PULSE WIDTH RANGE	CURRENT RANGE	FREQUENCY RANGE
Nerve Stimulator NSML-100/NS-100		200 $\mu$ Sec	1 to 100 mA in Steps of 1 mA	0.1 & 1 Hz
Nerve Mapper	NSML-100	50 to 300 $\mu$ Sec (Default 300 $\mu$ Sec)	1 to 50 mA in Steps of 1 mA	0.5 to 99 Hz (Default 1 Hz)
	NM-20	50 to 300 $\mu$ Sec (Default 300 $\mu$ Sec)	1 to 20 mA in Steps of 1 mA	0.5 to 99 Hz (Default 1 Hz)
Nerve Locator-Motor NSML-100/NM-20		40 to 200 $\mu$ Sec (Default 100 $\mu$ Sec)	0.1 to 10 mA in Steps of 0.1 mA	0.5 to 10 Hz (Default 1 Hz)
Nerve Locator-Sensory NSML-100/NM-20		200 to 500 $\mu$ Sec (Default 300 $\mu$ Sec)	0.1 to 10 mA in Steps of 0.1 mA	0.5 to 99 Hz (Default 1 Hz)

## ACCESSORIES :

- Transcutaneous mapping probe with cable
- Interface cables for locator and stimulator
- Mains adaptor
- Rechargeable battery

## TOF-Watch with Acceleromyography\*



Eyes that never miss a twitch !

- Objective Neuro Muscular Monitoring
- Simple & Accurate measurement of TOF Ratios
- Surface Sensor to measure Skin Temperature
- Optimal Neuro Muscular Blockade Management
- Various Models to choose from
- TOF-Watch, TOF-Watch S, TOF-Watch SX
- Optional Computer Interface available

(\*Distributed in India by Inmed)

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