

The 1st Handheld Multi-Sensor NMT Monitoring System with Upgraded Features

The **Simple, Economical** and **Complete Solution** for
Quantitative NMT Monitoring in the **OR, PACU, ICU & VET**



STIMPOD
NMS 450 X+

PERFORMANCE & TECHNICAL SPECIFICATIONS

Stimulation Settings

Operating Modes	NMT Mode	Nerve Mapping Mode	Nerve locating Mode
Stimulus Type	Current Controlled	Current Controlled	Current Controlled
Stimulus Waveform	Monophasic Square Wave	Monophasic Square Wave	Monophasic Square Wave
Stimulus Pulse Width	200µs ± 5%	50µs, 100µs, 350µs, 500µs ± %5 1ms ± %5	50µs, 100µs, 350µs, 500µs ± 5% 1ms ± 5%
Stimulus Voltage	400V _{max}	400V _{max}	100V _{max}
Stimulus Current	0-80mA ± 5%	0-20mA ± %5	0-5mA ± 5%
Stimulus Frequency	1Hz, 2Hz, 5Hz, 50Hz, 100Hz ± 5%	1Hz, 2Hz, 5Hz ± 5%	1Hz, 2Hz, 5Hz ± 5%
Load Impedance	0kΩ - 5kΩ	0kΩ - 20kΩ	0kΩ - 20kΩ
Operational Modes	AUTO, TOF, PTC, SMC, DEP, ST, DB, TET -		-

NMT Range of Measurement

Attribute	Acceleromyography (AMG)	Electromyography (EMG)
Fundamental Unit of measure	3-Axis Acceleration	Compound Muscle Action Potential
Range of Measure	± 4g	± 30mV
Evoked Response	Magnitude of Acceleration Vector Minimum Magnitude of 30 milli-g	Area under the curve Minimum Amplitude of 400µV

Power Supply

Source	Type	Form Factor	Rating	Electrical Interface/s
Removable Battery	Rechargeable Lithium Ion	21700	3.6v, 5000mAh	Internal 5V, 2A Charger - USB Interface External 5V, 2A Desktop Charger 5 hours 30 mins to full charge at 1.3A _{max}

* The battery cannot be charged internally while the STIMPOD NMS450X+ is in use. The battery can be removed from the device so that it can be charged externally.

Power Consumption

NMT Mode (AMG)		NMT MODE (EMG)		MAP Mode / LOC Mode	
Average Power	Continuous Use	Average Power	Continuous Use	Average Power	Continuous Use
460mW @ 130mA	Up to 35 Hours	520mW @ 150mA	Up to 32 Hours	426mW @ 120mA	Up to 38 Hours

* The maximum continuous use hours were determined for the recommended default display intensity - Increased display intensity settings shall result in a reduction of the continuous use hours.

Physical Attributes

Display	3.5" 24 bit Colour TFT LCD Display with Capacitive Touch Screen
Dimensions	174mm (L) x 90mm (W) x 35mm (H)
Weight (Device Without Battery)	195g
Weight (Device With Battery)	265g
Operating Temperature	10-40 °C
Storage & Transport Temperature	0 - 50 °C
Operating Humidity	90% RH
Storage & Transport Humidity	90% RH
Operating Atmospheric Pressure	50-106 kPa
Transport and Storage Atmospheric Pressure	50-106 kPa