

# Neuromuscular Transmission Module, E-NMT

For integrated measurement of the level of neuromuscular block



The neuromuscular transmission module, E-NMT, integrates the measurement of the level of neuromuscular block into a single-width, plug-in module.

## Features

- Provides a quantitative, automatic measurement of muscle response to an electrical stimulus
- Offers all common stimulation modes: train of four (TOF), single twitch (ST), double burst stimulation (DBS) and tetanic stimulation
- Covers the whole range of neuromuscular blockade
- Provides two measurement sensor options: the easy-to-apply MechanoSensor (KMG) for routine clinical use, and ElectroSensor (EMG) for research use
- Offers two MechanoSensor options: for adults and for pediatric patients
- Provides automatic setting of supramaximal current
- Provides automatic measurement at user-selectable interval
- Recovery Note can be set to notify when the block is wearing off
- Recall function enables moving the module with the patient without losing the reference values and the measured supramaximal current
- In addition to the integrated neuromuscular block measurement, the module enables nerve location for regional block by utilizing a comfortable 40  $\mu$ s pulse



## Technical specifications

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### Direct function keys

Start-up	Automatically initiates the measurement by setting supramaximal current, reference value and starting cycle
Stop/Continue	Stops / continues measurement with same patient

### NMT

Stimulation modes	Train of four, TOF Double burst, DBS (3,3) Single twitch, ST 50 Hz tetanic & post tetanic count, PTC
Numeric display	TOF%/DBS%, Count, T1%, PTC

#### *Measurement intervals for TOF/DBS*

CARESCAPE™ modular monitors with OR and PACU software: Manual, 10 s, 12 s, 15 s, 20 s, 1 min, 5 min or 15 min.

CARESCAPE modular monitors with Critical Care and ED software: Manual, 20 s, 1 min, 5 min, 15 min, 30 min, 60 min or 120 min.

S/5 modular monitors with anesthesia software: Manual, 10 s, 12 s, 15 s, 20 s, 1 min, 5 min or 15 min.

S/5 modular monitors with critical care software: Manual, 20 s, 1 min, 5 min, 15 min, 30 min, 60 min or 120 min.

#### *Measurement intervals for ST*

Manual, 1 s, 10 s, 20 s

Stimulus pulse	Square wave, constant current
Pulse width	100, 200 or 300 $\mu$ s
Stimulus current range	Supramax 10 to 70 mA S/5 monitors: Manual 10 to 70 mA with 5 mA steps CARESCAPE monitors: Manual 1 to 70 mA with 1 mA steps
Stimulus current accuracy	10% or $\pm$ 3 mA, whichever is greater
Load for 70mA	3 k $\Omega$ (max)
Voltage	300 V (max)

### Regional Block mode

Stimulation mode	Single twitch
Stimulation intervals	1, 2, 3 s
Stimulus pulse	Square wave, constant current
Pulse width	40 $\mu$ s
Stimulus current range	0 to 5.0 mA with 0.1 mA steps
Stimulus current accuracy	20% or $\pm$ 0.3 mA, whichever is greater

### Monitor compatibility

CARESCAPE modular monitors with OR, PACU, ED and/or Critical Care software

S/5 modular monitors: Consult your local representative for more information

## Environmental specifications

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### Operating conditions

Temperature	10 to 40°C (50 to 104°F)
Relative humidity	10 to 90% non-condensing

### Storage conditions

Temperature	-20 to 60° C (-4 to 140° F)
Relative humidity	10 to 90% non-condensing

## Physical specifications

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Dimensions (H x W x D)	11.2 x 3.7 x 18.6 cm (4.4 x 1.5 x 7.3 in)
Weight	0.36 kg (0.79 lb)

## Warranty

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One year

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GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care. Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services help our customers to deliver better care to more people around the world at a lower cost. In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems.

Our “healthymagination” vision for the future invites the world to join us on our journey as we continuously develop innovations focused on reducing costs, increasing access and improving quality and efficiency around the world.

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