

## Infinity® Trident® NMT SmartPod®

The Infinity® Trident® NMT (neuromuscular transmission) SmartPod® provides an easy, accurate way to measure the level of muscle relaxation of patients under the influence of neuromuscular blocking agents. Trident parameters provide an objective indication of NMT by using an electrical stimulus of a peripheral nerve – enabling you to make an evidence-based judgment about the state of your patient’s neuromuscular blockade. NMT data is valuable before, during and after anesthesia in the operating room, and also when mechanical ventilation is used in the intensive care unit.

Monitoring NMT may help reduce the amount of neuromuscular blocking agents required during anesthesia, which could mean a shorter recovery period and a decrease in the post-operative incidence of neuromuscular weakness. Trident assesses neuromuscular blockade by monitoring thumb acceleration (twitch response) during electrical stimulation of a peripheral nerve.

### Features

- Provides accurate, continuous measurement of muscle relaxation levels
- Uses a standardized monitoring interface and alarm management feature
- Provides objective, real-time information to the anesthesiologist
- Quantifies the degree of muscle relaxation
- Automatically integrates NMT parameters into the electronic patient record

### Measuring Capabilities

- Single Twitch: single stimulus with a response compared to a reference
- Train-Of-Four (TOF): series of four impulses are given, results on TOF-ratio or TOF-count
- Post-Tetanic Count: titanic stimulation, followed by single stimuli at one-second intervals is generated; the number of responses to the one second stimuli are counted

### NMT Technical Data

Measurement Method	Twitch response with accelerometry
Single Twitch Mode	Range: 0% to 200% (of reference twitch) Resolution: 1%



TECHNICAL DATA

**Train-Of-Four Mode**

(TOF – Ratio)	Range: 4% to 150%	Resolution: 1%
(TOF – Count)	Range: 0 to 4	Resolution: 1
Post-Tetanic Count Mode (PTC)	Range: 0 to 20	Resolution: 1
Temperature	Range: 20° C to 40° C* (*Note: temperature is only supported in degrees Celsius.)	Resolution: 1° C
Current Setting	Range: Auto or Manual (5 mA to 60 mA in increments of 5mA); automatic detection of supramaximal current upon initiation of NMT measurements	
Measurement Intervals	Range: None, 1, 10, 20 sec, 1, 5, 15, 30 min	
Pulse Width	Range: 100, 200, 300 microseconds	
Display Format	Parameter box only with bar chart showing Train-Of-Four or Single Twitch if applicable. There is a time stamp corresponding to the last measurement, as well as skin temperature. Trident pod does not display waveforms.	
Trends	24 hours are available for all NMT parameters	
Mounting	Universal vertical or horizontal pole mount	
Connections	Connection to monitor via pod cable Pass-through connection to Infinity EEG pod or Infinity BISx™ SmartPod possible via extra pod comm connection on Trident pod.	

Europe, Middle East, Africa,  
Latin America, Asia, Pacific:

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Fax: +49-451-882-2080  
E-mail: info@draeger.com

**Product Specifications**

Size (H x W x D)	36 x 132 x 140 mm (1.42 x 5.19 x 5.51 in.)
Weight	595 g (21 oz)
Interface cable length	3m pod comm

USA:

**Draeger Medical, Inc.**  
3135 Quarry Road  
Telford, PA 18969  
USA  
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Toll-free: +1-800-437-2437  
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E-mail: info@draegermed.com

**Environmental Requirements**

Humidity	Operating: 20% 90%, non-condensing Storage: 20 to 90% with packaging
Altitude Range	Operating: 525 mmHg to 795 mmHg (70 kPa to 106 Pa) Storage: 375 mmHg to 795 mmHg (50 kPa to 106 kPa)
Temperature	Operating: 15° C to 40° C (50° F to 104° F)

Canada:

**Draeger Medical Canada, Inc.**  
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Richmond Hill Ontario L4B 4V1  
CANADA  
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**Standards:**

IEC 60601-1, +A1 +A2 Medical Electrical Equipment, Part 1:  
General Requirements for Safety  
IEC 60601-2-40: 1998 Particular requirements for safety of electromyographs and evoked response equipment, excluding sub clauses 36 and 50.1  
IEC 60601-1-2: 2001 (EMC), IEC 68-2-31 drop and topple, IEC68-2-32 Free fall, IEC 68-2-6 Sinusoidal vibration and IEC 68-2-27 shock.

www.draeger.com

**Ordering Information**

Infinity Trident Pod MS15007

Includes interface cable to monitor, universal pole mount, starter kit including required accessories. Electrodes must be purchased separately.

The Trident pod is supported with Delta, Delta XL, Kappa, Kappa XLT and Siemens SC7000, SC8000 and SC9000XL monitors with VF5 software or higher.

The Siemens SC7000, SC8000, and SC9000XL monitors with a software level below VF4 and the following hardware revisions require a memory expansion board: Siemens SC7000 below 14, SC8000 below 17, and SC9000XL below 6:

Memory expansion board for  
Siemens SC7000, SC8000, and SC9000XL 7494557

Manufacturer:  
Draeger Medical Systems, Inc.  
Telford, PA 18969 USA

The quality management system at Draeger Medical Systems, Inc. is certified according to ISO 13485, ISO 9001 and Annex II of Directive 93/42/EEC (Medical devices).