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## MONITOR NT 100

Neuromuscular Monitor



## Neuromuscular Monitor NT-100

The NT-100 is intended to be used to quantitatively monitor the level of neuromuscular transmission during surgery or in the intensive care unit by means of acceleromyography.

The NT-100 is intended for use by specialists, anesthetists and nurses with specialization in anesthesia care..

### Indications for Use:

The NT-100 is used to objectively monitor the level of neuromuscular transmission by measuring muscle contraction following stimulation. The NT-100 can also be used as a peripheral nerve stimulator (without the objective measuring function) for subjective.



**The device is intended for use for adolescents greater than 18 through 21 years of age, and adults.**

*RELIABLE – EASY TO USE – COST EFFICIENT*

## Technical Specifications

- Various stimulation modes
- + TOF, PTC, TET, DBS, Single Twitch
- 3 Dimensional Acceleration Measurement
  - Battery powered
    - more than 1500 hours continuous operation
  - standard AA batteries
- Big clearly arranged 4,4" display
  - Integration to other patient monitors and Hospital networks\*
- Table-top use or mounted to an IV pole
- Operation via Patient monitor\*
  - Alert management
    - Set lower and upper alert limits for TOF Levels
- Built-in trend memory can be downloaded to external devices
- \* Depending on the monitor model

## Specifications

### ■ Device Dimensions

Height : 198 mm  
Width : 141 mm  
Depth: 65 mm

### ■ Display

size: 4,4" – 90 x 67 mm  
Type: LCD  
Resolution: 240x320

### ■ Battery

Technology: Alkaline, NiCd/NiMH  
Type: 4 pilas AA de 1,5V  
Operating Time:  
≈ 1500 hours de of constant TOF monitoring

### ■ Electric Specification

Internally powered handheld device  
Continuous operation  
IPX3  
Operating Voltage: 4 – 6 Volt  
Max. current : 330mA  
Power consumption: máx. 2,5 watt

### ■ Stimulation

Waveform: Monophasic rectangular wave  
Pulse Width : 200  $\mu$ s or 300  $\mu$ s  
Constant Current: 0 – 60 mA  
Load: 100  $\Omega$  – 5k $\Omega$

### ■ Data Storage:

Online Data dump: Yes  
Data Storage indevice: Yes  
Memory Capacity: ≈ 45.000 records  
(e.g., 180 hours of TOF recording)

## Accessories

- With TOF3D you are free to use the monitor according to your preferences.
- Use the hand or thumb adapter or fix the acceleration sensor directly to the thumb.
- There is no need for expensive disposables! Just use regular electrodes for the stimulation.
- The sensors and cables can be separated from the main cable. Even if one part breaks you don't need to replace the complete cable.
- 4 standard AA batteries give you up to 1.500 hours continuous stimulation

