The TOFscan® monitor provides an easy, reliable way to measure the muscle relaxation status of an anesthetized patient. You will see a range of data points to support you in making treatment decisions and adjustments to the patient’s neuromuscular blockade.

Use the selection wheel to configure the device and, when monitoring a patient, quickly move between screens to see more data.

View numeric and graphical measurements on the local display and, when interfaced, the cockpit display of the Infinity® Acute Care System.

3D Accelerometer positions the thumb over 3 planes to optimize detection of the patient’s response to stimulation.

Long sensor cable with optional extension aid positioning of the monitor for access and viewing.
Benefits

**Wide range of measurements**

The TOFscan device generates several modes of neuromuscular stimulation:

- TOF (Train Of Four)
- PTC (Post Tetanic Count)
- TOF plus PTC
- DBS (Double Burst) (3,3) (3,2) (2,3)
- ST (Single Twitch) 0.1 Hz and 1 Hz
- TET (Tetanus 50 Hz)

TOFscan's 3D accelerometer produces measurements from the induced muscle responses:

- TOF % : T4/T1
- TOF % : T4/Tref
- PTC : Number of responses detected

**Flexible use**

The TOFscan monitor can be used as a stand-alone device. It can also be connected to the Infinity Acute Care System to display neuromuscular measurements alongside hemodynamic parameters and data from other connected devices and clinical IT sources.

The Cockpit of the Infinity Acute Care System can display TOFscan measurements and visual alarms:

- TOF-Ratio, TOF-Count, Single Twitch and PTC
- Countdown time bar for TOF Count/TOF
- Mini-trend chart

Interfacing the TOFscan monitor to the Infinity Acute Care System supports clinical data collection.

**Low-maintenance**

Equipped with a high-capacity Lithium-Ion battery, the TOFscan monitor maintains power over many days with typical use. Connect the monitor to AC power when preferred and for recharging.

The 3D Accelerometer never needs to be calibrated.

The robust materials of the monitor, accelerometer and cables will hold up to common hospital cleaning and disinfecting agents.
System Components

3D Accelerometer

The TOFscan® 3D accelerometer measures real thumb movement under numerous clinical conditions. The sensor (encased in a splint) is ergonomically designed for correct and optimal positioning. Its use is intuitive and hassle-free.

Accessories

Extension Cable 1.8 m (6 ft)

With the extension cable you can use the TOFscan® device in surgical situations that require more flexibility.

Optical cable

The TOFscan® device uses an optical cable to transfer data.

Mounts

Clamps are available for mounting the TOFscan® device to a pole or bedrail.
Related Products

Infinity® Acute Care System

Transform your clinical workflow with Infinity® Acute Care System. Its multiparameter monitor integrates with its networked medical-grade workstation, giving you real-time vital signs, access to clinical hospital systems and data management applications for a comprehensive range of patient information and powerful analysis tools at the point of care.
## Technical Data

### Safety
- Compliant with European directive CEE 93/42
- Compliant with standards EN 60601-1 Jan. 2007 and EN 60601-2-10
- EC marking (CE 0459 LNE/G-MED 2017-01-26) for Class 2a device
- EMC Class A
- Material sensor clamp (part in contact with the patient) medical-grade silicone (free Latex)

### Stimulation
- TOF (Train Of Four), T1/T4 and Tref/T4 calculations
- AUTO TOF (TOF programmed from 15 sec. to 15 min)
- TET (Tetanus 50 Hz)
- DBS* (Double Burst Stimulation) modes 3.3, 3.2 and 2.3
- PTC* (Post Tetanic Count)
- TWITCH (Single Twitch) 0.1 Hz and 1 Hz

### Acceleration Detector
- Three-dimensional accelerometer (+/- 8 G at 10 bits, Fq:200 Hz, Resolution 0.016G)

### Electrical Stimulation
- Constant output current of 0 to 60 mA (accuracy +/-10%) (on an actual load of 4 Kohms)
- Monophasic, duration of impulse 200 μs, frequency 50 Hz

### Power Supply
- 2,000 mAh Lithium-Ion battery (comes with thermal protection and protection against short-circuits)
- Battery power for about one month with normal use (10 TOF measurements a day)
- Charger / External power supply (continuous 5V 1,000 mA)

### Dimensions / Weight
- Monitor alone: 60 x 150 x 55 mm (2.36 x 5.9 x 2.16 in)
- Monitor with accelerator battery and cables and electrode: 320 g (0.7 lb) (approximately)
  (excluding cable 190 g (0.41 lb))

*These parameters are not displayed on the cockpit of the Infinity Acute Care System when the TOFscan device is interfaced.

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