TETRAGRAPH® Technical Specifications

Modes of Operation

TOF Interval 20 sec - 60 mins

Automatic stimulus setup Automatic detection of maximal current

Supramaximal current 20% above maximal current Train-of-Four (TOF Ratio & TOF Count) 4 pulses of 200 or 300 µs duration at 2 Hz repeated at

user selected frequency of 20 s, 1 min, 5 min, 15, min or

60 min

Post-tetanic Count (PTC) PTC consists of Tetanic Stimulation, a set of 250 pulses

(1 pulse at 50Hz over 5s) fixed at 50mA, 200 μs;

followed by up to 20 ST pulses at 1 Hz

Single Twitch (ST) Pulse of 200 or 300 µs duration at 0.1 Hz

Stimulation

Current 0-60 mA @ 5k-ohm Pulse Width 200 μs or 300 μs

Pulse Type Monophasic square wave

Voltage 300V

Sensor Type

Integrated strip sensor TetraSens disposable stimulator recorder Sensor stimulus placement Ulnar nerve or Posterior Tibial nerve

Sensor recording placement Adductor Pollicis muscle (AP), Abductor Digiti Minimi

muscle (ADM), First Dorsal Interosseus muscle (FDI),

Flexor Hallucis brevis muscle (FHB)

Duration of use Single use, 24 hours on the same patient

Recording

0.1-50 mV Range

50/60 Hz filter Yes

Measurement Peak-to-Peak MAP

Graphics

Display Color LCD, Brightness control, Touch Screen interface

MAP (Muscle Action Potentials) Display of waveforms

TOF Bar of four pulse amplitudes and %,

trend of successive TOFR values **TOFC** TOF Count, integer and trend

ST Amplitude of response, mV, series of response

amplitudes as bars

PTC Number of post-tetanic count

Power Supply

EN 60601-1 power supply 5V DC USB connection Charger

Connection to mains electricity during use TetraGraph must only be used with the supplied power

supply adapter and USB cable. **Battery**

8 hours continuous operation with new battery in good

Battery specifications Rechargeable Lithium battery, Varta Easy-Pack standard

battery

Cord length 3 m



Dimensions

Length180 mmWidth100 mmThickness35 mm

Weight 380g +/-40 g (including battery)

Additional Features

Day-Date Three user-selectable formats
Patient ID Yes, 12 numeric plus hyphen

Audible stimulus On/Off

Data review On-screen review of device data
Data Interface TetraGraph Philips Interface

Connectivity Philips Capsule, Masimo DCX™, Philips IVOI

Data Management TetraConnect cloud-based connectivity portal to upload,

view, share and export data

Communication Interface USB connector

Connected equipment USB 2.0 or higher

Patient Cable Cord length 2.5 m

Environment during storage and movement between hospital location

Temperature 5°C to 40°C (41°F to 86°F)
Relative humidity 10% to 85% non-condensing

Atmospheric pressure 50 kPa to 106 kPa

Environment during use

Temperature 15°C to 35°C (59°F to 95°F)
Relative humidity 10% to 85% non-condensing

Atmospheric pressure 70k Pa to 106 kPa

Standards Applied

IEC 60601-1:2005/AMD1:2012

EN 60601-1-2:2015 IEC 60601-2-40:2016



senzime.com

INFO0007_v.2.3