TOP LESION GENERATOR TLG-20

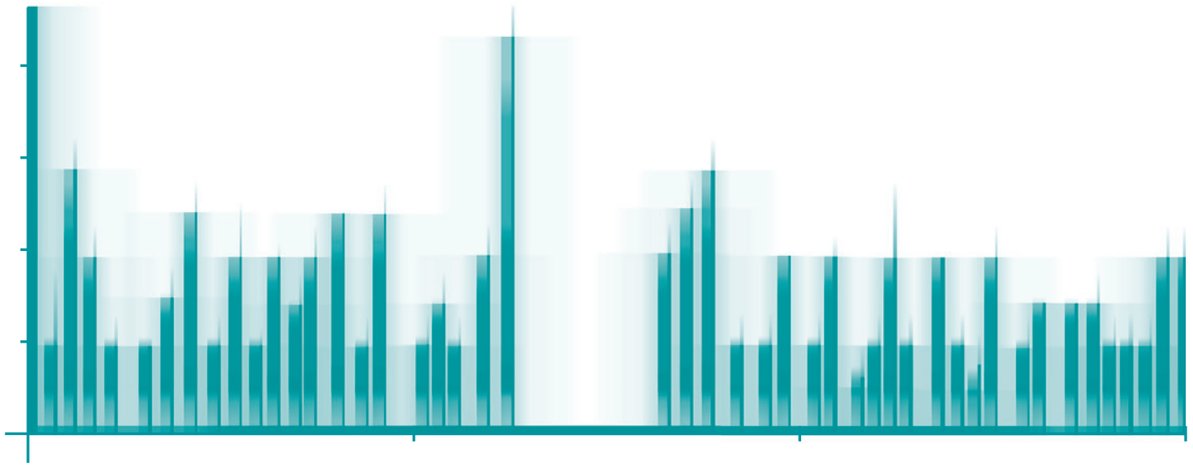
Multi-lesion a step ahead

Equipped with the Sluijter-Teixeira Pulse mode STP

The new RF, PRF and STP Generator for Pain Management

- Built on our extensive research work in association with Dr. M. Sluijter and A. Teixeira
- Temperature controlled multi-lesion RF, PRF and STP on 4 ports
- Simultaneous transcutaneous TCSTP and TCPRF in 2 pairs
- Individual configuration of output settings
- Fast and easy navigation
- Super portable

eQUIP
the key to medical innovation



The Sluijter-Teixeira Pulse generates a strong and very consistent electromagnetic field.

TOP Lesion Generator TLG-20, a firm step ahead in RF, PRF and STP for Pain Management

The STP pulse mode in the TOP Lesion Generators is based on the extensive research work of Prof. Menno Sluijter, the founder of PRF, and Dr. Alexandre Teixeira. In this mode the pulses are meticulously spread by a Poisson randomized derivation. It generates a strong and very consistent electromagnetic field. The typical temperature build-up, induced at the tip of the needle is however considerably reduced.

STP provides you with a continuously high power output throughout the entire treatment, without suppression or interruptions. As heat hardly develops in this PRF mode, you will easily stay within the set limits and you can rely on a very constant electromagnetic field in your treatment.

Besides this temperature advantage, the irregular burst stimuli in STP also offer an important gain at cellular level: the target area can be reached more effectively with less resistance from the body.

- STP is safe, with a minimal heat deposition
- The short pulse width grants a minimally destructive effect
- The higher Coefficient of Variance results in a better effectiveness of the treatment

A firm step ahead for Pain Management, yet in a super lightweight body. Only 4 kilograms, and with its compact size the TLG-20 is easily one of the best portable generators on the market.

Navigating through the intuitive interface is fast and easy. Settings can be adjusted in a logical flow with numeric keys on the touchscreen, and both user preferences and treatment settings can be stored in memory.

Transcutaneous TCSTP and TCPRF

The TOP Lesion Generator TLG-20 is equipped with a special mode for transcutaneous approaches, often used for the treatment of shoulders and knees. With advanced settings for voltage and frequency this program can be configured for an output of up to 2 simultaneous pairs, either in TCSTP or in TCPRF.

Quadpolar Mode

This quadpolar bridge in lesion mode forms a caloric junction between the deployed needles. The electric current is not passed through a return electrode and this provides you with a very concentrated, full output directly around the treatment site. Procedures are thus considerably shortened. Very efficient, — and above all — you will bring a welcome quick relief for your patient.

COMPACT & PORTABLE

Dimensions & Weight:
- 380x273x219 mm
- 4 kg

Included Accessories:
- SCO cable (single)
- SCO cable (quad)
- XEO cable (single)
- XEO cable (double)
- Dispersive cable
- Test plate
- AC power cord
- Operation guide

Probes:
- NeuroPole needle, types SC, XE, XE-PRF, ST-P2
- TLG thermocouple sensor probes
- FIAB TCPRF/TCSTP transcutaneous electrodes

Optional:
- Carrying case
- Sterilization tray

Specifications			
Product Name	TOP Lesion Generator TLG-20	Temperature Measurement	10.0 ~ 99.9 °C
Classification	Class II b	Impedance Measurement	50 ~ 2500 Ω
Power Supply	AC 100 V ~ 240 VAC 50/60 Hz		

Stimulation			
Waveform	Biphasic Square Wave	Voltage Setting Range	0.1 ~ 10.0 V (at 1, 5 or 10 V range)
Frequency	10, 20, 50, 75, 100, 150, 180, 200 Hz (Sensory) / 1, 2, 5 Hz (Motor)	Current Setting Range	0.1 ~ 10.0 mA (at 1, 5, or 10 mA range)
Pulse Width	0.1, 0.2, 0.5, 1.0 msec	Output Voltage	0 ~ 10.00 V (at voltage setting range selection)
Output Range	1, 5, 10 V / 1, 5, 10 mA	Output Current	0 ~ 10 mA (at current setting range selection)

RF			
Waveform	480 kHz ± 3%	Temperature Setting	42 ~ 92 °C (Lesion) 42 ~ 45 °C (PRF)
Output Mode (with temperature control)	Monopolar Lesion & PRF, Bipolar Lesion, Tripolar Lesion, Quadpolar Lesion	Timer Setting	1 sec ~ 15 min (Lesion) 1 sec ~ 30 min (PRF & STP / TCPRF & TCSTP)
Output Mode (with temperature measurement)	STP	Step Temperature Setting	42 ~ 60 °C (Lesion only)
Output Mode (without temperature control)	Monopolar Lesion & PRF & STP / TCPRF & TCSTP	Pulse Frequency Setting	1, 2, 5, 10 Hz (PRF, TCPRF)
Output Voltage	0 ~ 100 Vrms	Pulse Width Setting	5, 10, 20, 30, 50 msec (PRF, TCPRF)
Voltage Setting Range	20 ~ 70 Vrms (PRF, STP) 20 ~ 100 Vrms (TCPRF, TCSTP)	Pulse Duration	At random (STP, TCSTP)
		Pulse Pause Time	At random (STP, TCSTP)

Special Functions	
Step Temperature (Lesion only)	To check the effect of anesthesia, the temperature rise is stopped at a temperature below target
Impedance Sound	The tone of the buzzer sound changes following the impedance
History	Export a maximum of 500 operation history files to USB in CSV format

The Key to Medical Innovation

Innovation in the fields of Anesthesiology and Pain Management is at the heart of Equip Medikey. Joined by true pioneers, we develop new products with unique features, for safer anesthesia and effective pain treatments. Valuable solutions for many practitioners and patients, all over the world.

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