

Technical specifications

PRF Characteristics

- PRF frequency: 420 kHz
- Output amplitude:
 - > Springlife (skin)electrodes: 0.2 – 4.8 A
 - > Needle electrodes: 25 – 50 V
- Output burst length: 5 ms
- Output burst repetition rate: 3Hz
- Impedance load:
 - > 10 – 1000 Ohm (Transcutaneous)
 - > 60 – 1000 Ohm (Invasive)
- Treatment time: 1 – 30 minutes, configured in whole minutes

Stimulation characteristics:

- 2 Hz (Motoric), 50 Hz (Sensory)
- Output pulse width: 1.0 ms (Motoric), 0.5 ms (Sensory)
- Output Amplitude: 0.05 – 3.0 V

Electrical and Physical Characteristics

- Dimensions: W: 215 x D: 210 x H: 232 mm
- Weight: approx. 2.6 kg
- Power supply: 100 – 240 VAC, 50/60 Hz
- Environmental conditions: +10° – +40C°

Springlife Accessories

Transcutaneous Electrodes

- Springlife skin electrodes (disposable) for transcutaneous use
 - Sizes:
 - > Small (S): 5.5 x 5.5 cm
 - > Medium (M): 6.0 x 12.0 cm
 - > Large (L): 8.0 x 15.0 cm
- For safety reasons the maximum output of the Spring2® is adjusted to the sizes of the attached electrodes.

Other Accessories

- Extension cables (non-disposable)
 - This cable is used as an intermediate cable between the Springlife electrodes and the Spring2®.
- The especially designed Spring2®-backpack perfectly fits the Spring2® and its accessories, as well as your laptop and other personal belongings.



NEXT LEVEL
PAIN MANAGEMENT

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NEXT LEVEL PAIN MANAGEMENT

Our goal is to make a compact, easy-to-use and lightweight Pulsed Radio Frequency (PRF)-only generator with a very friendly user interface that can be used for both transcutaneous and invasive treatments. This resulted in the Spring2®, a unique device in both design and functionality.

As it is such a light and compact device, it is very easy to use on multiple locations. The touchscreen display shows an intuitive user interface that guides you without effort through the different modes and possibilities. Treatment data (indexed on date and time of the treatment) can be stored on a USB memory stick.

A transcutaneous procedure is an ideal option when an invasive treatment is less suitable. It is much more convenient for the patient and it is a safe procedure. Transcutaneous treatments are increasingly performed on joints, such as knees and shoulders.

For transcutaneous treatments we designed automatically identified skin electrodes. The size of these Springlife electrodes is recognized by the Spring2®. For safety reasons the maximum output will be adjusted to the detected size. Up to 4 Springlife electrodes of different sizes can be used simultaneously.

In the invasive mode the user is guided through the stimulation and the treatment options. If so desired, the stimulation options can be skipped. Procedures can be performed on 3 simultaneous levels.



Quick overview

- PRF-only
- Compact in design and with a grip for easy handling
- Lightweight (only 2.6 kg)
- Intuitive user-friendly interface with touchscreen

Transcutaneous PRF

- Automatically identified Springlife skin electrodes. For safety reasons the Spring2® recognizes the size of the attached electrodes and the maximum current output is adjusted to these sizes.
- Duty load: 15 msec (3 x 5ms/s)
- Up to 4 skin electrodes simultaneously
- Easy export of treatment details to USB memory stick

Invasive multi-level PRF

- Treatments can be performed on 3 levels simultaneously
- Intuitive stimulation mode (sensory and motoric)
- Duty load: 15 msec (3 x 5ms/s)
- Easy export of treatment details to USB memory stick

For the invasive mode, the Spring2® is tested and approved with Top NeuroPole needles.

