

The Solace™ Pulse Generator Platform



One Platform. A Complete Solution.

Begin trials sooner. Get to market faster. The Solace™ Platform is a comprehensive turnkey Implantable Pulse Generator platform that can be used to advance research or customized to support your commercialization requirements. It is the only complete end-to-end solution designed to reduce your overall time and cost of development.

- Easily adapted for multiple therapy applications with minimal customization.
- Designed to support academia, research, start-up companies and established medical device manufacturers.
- Facilitates a rapid transfer from your own manufacturing facility or your current contract manufacturer's facility to one of Cirtec's manufacturing facilities.
- With a wide range of performance parameters, the platform is easily modified and ready to use.



Working Together.

Whether your goal is to bring a novel therapy to market or rapidly move to a next-generation design suitable for high volume manufacturing, Cirtec has the expertise and resources to help you get ahead. With more than three decades of experience, we understand the technical, practical and regulatory issues needed to turn your innovative ideas into breakthrough technologies. You can work confidently knowing our platform meets the highest quality standards.



IMPLANTABLE PULSE GENERATOR

- Configurable from 2 to 32 channels
- 32 Independent current sources (12.5 mA/electrode)
- Supports tonic, burst and high frequency pulse sequences
- Volume 15cc to 17.5 cc
- Communication:
 - Wake-up: 2.45 GHz (1 meter)
 - MICS: 403 MHz (5 meters)
- Rechargeable battery with charger
- Can be packaged in one of two validated thermoform tray configurations
- All tissue contacting materials biocompatible



TRIAL PULSE GENERATOR

- 4 lead ports with 8 contacts to support 32 electrodes
- 32 independent current sources (12.5 mA/electrode)
- Supports tonic, burst and high frequency pulse sequences
- Communication:
 - Wake-up: 2.45 GHz (1 meter)
 - MICS: 403 MHz (5 meters)
- Battery capacity: one-week, rechargeable battery
- TPG functionality identical to IPG
- Reusable main body housed in a detachable and disposable header and base
- Rechargeable battery with USB AC adapter
- TPG housing made of polycarbonate material
- Header and base provided in sterile packaging with three-year shelf life

The Solace™ Platform



PATIENT REMOTE CONTROL

- Simple, hand-held rechargeable device to operate IPG/TPG
- Can be used for Patient/Clinician Programmer Applications to communicate with IPG/TPG
- Basic functions
 - Check battery and stimulation status
 - Select a pre-defined stimulation program
 - Turn stimulation ON/OFF
 - Change stimulation amplitude



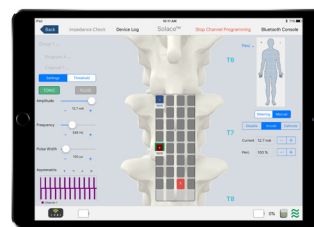
LEADS

- Percutaneous (1x4 and 1x8) and Paddle (2x4, 2x8 and 4x8) leads available in multiple lengths with preloaded stylets (choose from 0°, 25° and 35°)
- 1x8 lead extensions and 1x4 splitters are also available for added convenience
- Standard lead body can be quickly customized for most percutaneous, paddle, or cuff lead configurations
- Leads are all constructed with biocompatible materials
- Validated standard packaging



CHARGER

- Placed over IPG and secured with a belt
- Provides audible and haptic feedback to guide patient for proper alignment
- Designed for repeated use
- Can be recharged from 0V to full charge in 3 hours



ACCESSORIES

- Clinician programmer app
- Patient controller app
- Surgical tools
 - Epidural needle
 - Tunneling tool
 - Passing elevator
 - Paddle blanks
 - IPG sizer
- Standard silicone and locking anchors



Corporate Headquarters:

9200 Xylon Avenue North • Brooklyn Park, MN 55445
763.493.8556 • info@CirtecMed.com

Visit us at CirtecMed.com