



THE SOLACE™ R&D IPG PLATFORM

*A turnkey system that's
ready when you are.*

A COMPLETE SOLUTION

The Solace™ R&D IPG Platform is a comprehensive, turnkey platform that can be taken from initial development to commercialization—reducing total product development time and cost.



VERSATILE PLATFORM

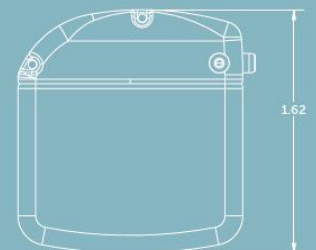
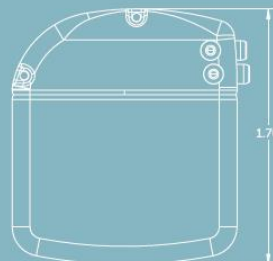
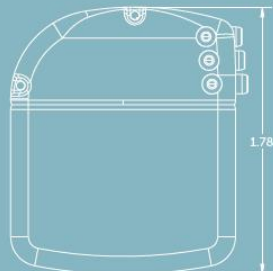
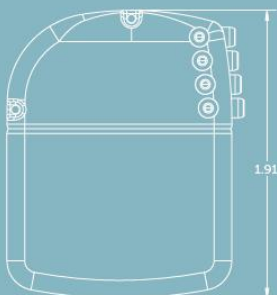
Comprehensive and customizable, turnkey platform can be used to advance research or to support your commercialization requirements.

- Wide range of performance parameters are easily adaptable for multiple therapy applications with minimal customization.
- Enables a low risk, cost effective and rapid manufacturing transfer into one of Cirtec's locations.

WORKING TOGETHER

Partnering with us brings you closer to turning your innovative ideas into breakthrough therapies.

- Whether your goal is to bring a novel therapy to market or rapidly move to a next generation design suitable for high volume manufacturing, we have the capabilities and team at-the-ready.
- With more than three decades of experience, we understand the technical, practical and regulatory issues needed to bring new and next generation products to market.
- 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 15 cc 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

- TPG functionality identical to IPG
- 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 with USB AC Adapter
- Reusable main body housed in a detachable and disposable header and base
- TPG housing made of polycarbonate material
- Header and base provided in sterile packaging with three-year shelf life



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



CHARGER

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



LEADS

- Percutaneous (1x4 and 1x8) and Paddle (2x4, 1x8 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 means
- Validated standard packaging

LEAD PORTFOLIO					
Lead Type	1 x 4 Percutaneous	1 x 8 Percutaneous	2 x 8 Surgical	4 x 4 Surgical	4 x 8 Surgical
Electrode Height (mm)	3 and 6	3	4	4	4
Vertical Electrode Spacing (mm)	1, 4 and 12	1, 4 and 6	6	6	6
Lead Lengths (cm)	35, 55, 75, 95	35, 55, 75, 95	35, 55, 75, 95	35, 55, 75, 95	35, 55, 75, 95

ACCESSORIES

- Clinician programmer app
- Patient controller app
- Surgical tools:
 - ▶ Epidural needle
 - ▶ Tunneling tool
 - ▶ Passing elevator
 - ▶ Paddle blanks
 - ▶ Torque wrench
 - ▶ Stylet with handle
 - ▶ Standard silicone and locking anchors
 - ▶ IPG sizer



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