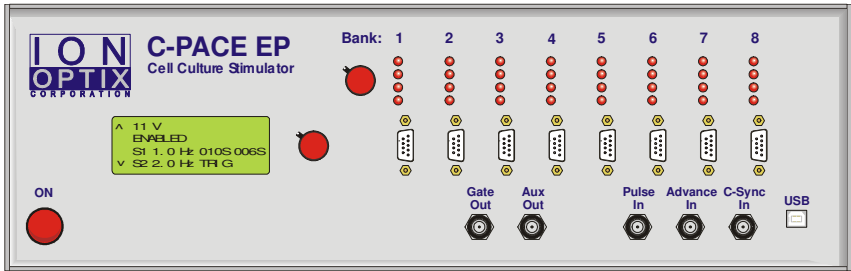


# C-Pace EP™ Cell Culture Stimulator

Model CEP100

## World's First Chronic Stimulator Designed for Electrophysiological Studies!



The C-Pace EP is a multi-channel stimulator designed to do chronic stimulation of bulk quantities of cells in culture incubators. Compared to our standard C-pace, the EP version has more flexibility in its pacing protocols and has been designed on request by customers who want to study the effects of arrhythmia or exercise protocols during culture. Gate and Aux outputs allow for increased functionality when used as an acute pacer.

### Extra Features in the EP version

#### Arrhythmia Protocols

Insert an offbeat pulse at a fixed interval

#### Exercise Protocols

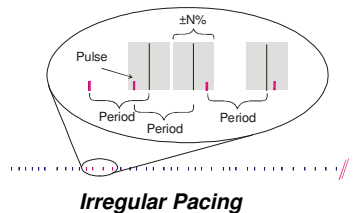
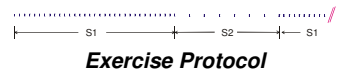
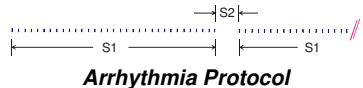
Run multiple pulse trains with individually programmable frequency and duration.

#### Irregular Pacing

Random variation of specified frequency within definable percentage window and guaranteed average effective rate.

#### External Triggering

Change to next pulse train with TTL 'advance' input and/or trigger individual pulses with TTL 'pulse' input.



### Standard C-Pace features

- Current up to 240mA
- Digital adjustment of frequency (0.010-99Hz), pulse duration (0.4-24 msec), and voltage (up to  $\pm 40$  V)
- Bi-polar pulses reduce electrolysis byproducts
- Works in conjunction with all C-Dish™ Culture Dish Electrode Assemblies
- Simple single ribbon cable connection to any C-Dish™