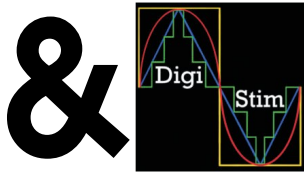


EL^{ECTRO}PORATOR



Digistim

2 channel USB based stimulator

Single cell electroporation made easy



- Transfect individual cells for GFP expression
- Target single cells for optogenetics, etc.
- Deliver macromolecules, including DANN, RNA, dyes and proteins into cells
- Stain cell to study their morphology

Bundle it up:

Combine EL^{ECTRO}PORATOR with DigiStim to get a fully independent single cell electroporation system

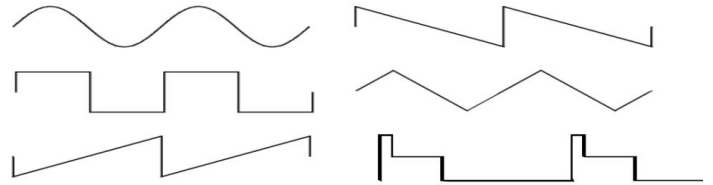


Features: EL^{ECTRO}PORATOR & DigiStim bundle

- Program, store and recall your pulse protocol with the DigiStim
- Recall protocols stored on the DigiStim independent of a PC
- Triple audio monitor for Resistance, Current or Voltage for approaching cells
- Classic headstage style electrode fixation with dovetail or mounting rod

Technical Data

DigiStim—Built-in signals:



or any combined arbitrary waveform

Output: 11 bits resolution
+/- 5 V
DC to 50 kHz
(single channel 100 kHz)

Software: GUI for Windows
USB 2.0 connection
2 independent protocols can be stored
Recall via TTL without PC connection

EL^{ECTRO}PORATOR

Input signal: ± 5 V max.

Output signal: ± 100 V / ± 10 mA max.
scaling 0.2 V/V, 2 V/V, 20 V/V
with CURPOT version additionally
0.2 μ A/V, 2 μ A/V, 20 μ A/V,
0.2 mA/V, 2 mA/V

Monitor signals: Current, potential, resistance

Display: Display for resistance / voltage / current (CURPOT version)
Switches automatically depending on operating mode

Resistance: Voltage based measurement, accuracy 1-2 M Ω .

Measuring ranges: 1-10 M Ω ,
5-25 M Ω , 20-100 M Ω

"+/- OVER" LEDs indicate end of measurement range

Audio monitor: Switchable for resistance, voltage or current (CURPOT version)

Incl. built-in speaker and headphone jack

Output settings: Potential offset
for CURPOT version: capacitance compensation and current offset

Contact:

General:

npi electronic GmbH
Phone: +49-7141-9730230
Fax: +49-7141-9730240
sales@npielectronic.com
www.npielectronic.com

North America:

ALA Scientific Instruments
Phone: +1-631-393-6401
Fax: +1-631-393-6407
sales@alascience.com
www.alascience.com