EL ECTRO PORATOR

& Digistim

2 channel USB based stimulator

Single cell electroporation made easy

- Transfect individual cells for GFP experssion

- 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
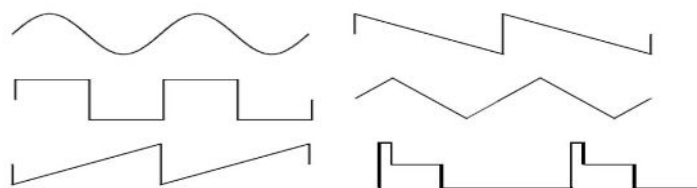
Features: EL⌀PORATOR & DigiStim bundle

- 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 fixiation 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⌀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 μA/V, 2 μA/V, 20 μA/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 MΩ.
	Measuring ranges: 1-10 MΩ, 5-25 MΩ, 20-100 MΩ
	"+/- 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