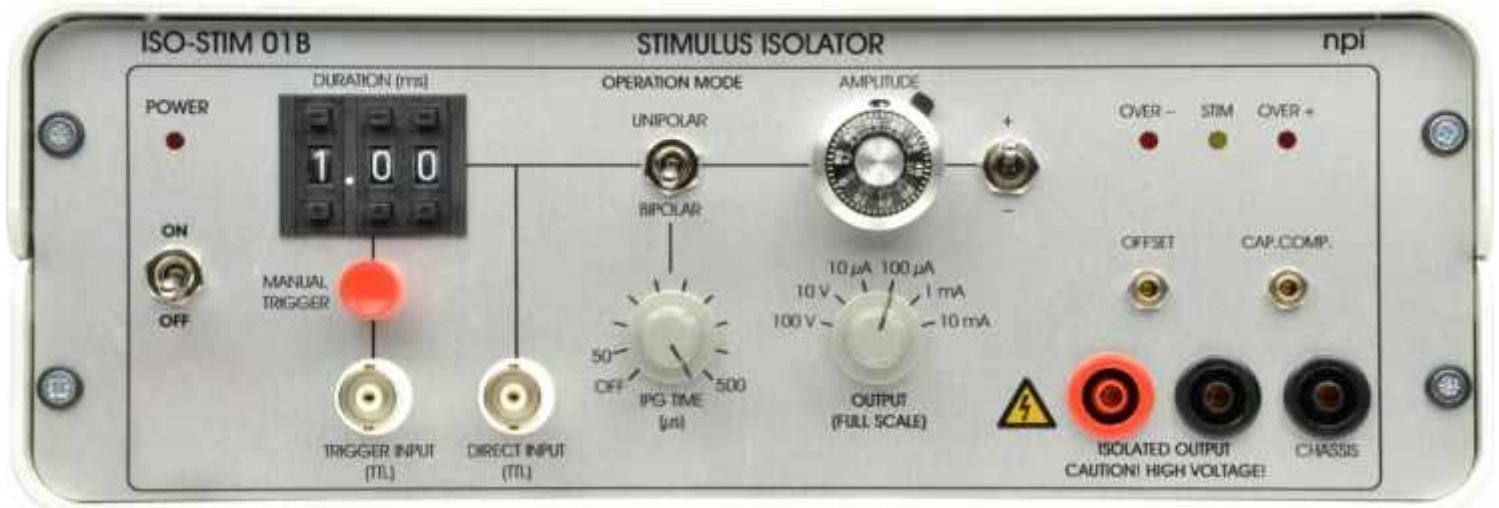




made to measure

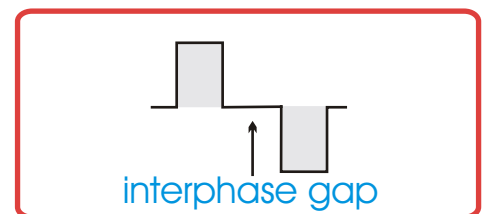
ISO-STIM 01B

Basic Stimulus Isolator



Features:

- ⇒ 2 external power supply options:
 - line: (input 90 V ... 240 V AC)
 - rechargeable battery: ± 40 V
- ⇒ 2 pulse modes:
 - direct input: TTL duration = pulse duration (with bipolar option)
 - trigger input: pulse duration set by internal timer (10 μ s ... 10 ms)
- ⇒ Amplitude set by ten-turn potentiometer
- ⇒ Voltage or current output
 - max. 100 V / 10 mA
- ⇒ unipolar  or bipolar 
- ⇒ Adjustable InterPhase Gap (IPG)*
- ⇒ More complex timing with TMR-01B



* Cappaert NLM, Ramekers D, Martens HCF, and Wytse J. Wadman

[Efficiency of a new charge-balanced biphasic electrical stimulus in the isolated sciatic nerve and the hippocampal slice.](https://doi.org/10.1142/S0129065712500311)

Int. J. Neur. Syst. 23, 1250031 (2013) <http://dx.doi.org/10.1142/S0129065712500311>

made to measure

TMR-01B

Versatile Timer



Features:

⇒ PULSE or BURST



⇒ Monitors for DELAY TIME, BURST FREQUENCY and PULSE TIME

⇒ START, STOP and RESET manually or via TTL signal

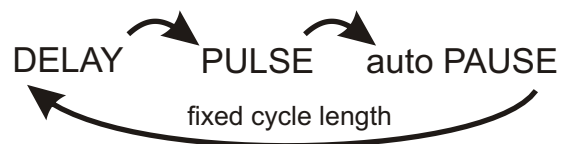
⇒ Timing set by digital push button controls

⇒ Cascade multiple TMR-01B for complex stimulation patterns

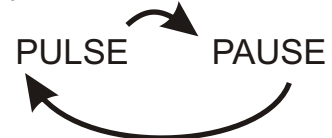
⇒ Ideal for gating stimulators, amplifiers, iontophoretic and pneumatic drug applicators

⇒ 2 timing modes:

⇒ fixed cycle length



⇒ adjust PULSE + PAUSE



made to measure

ISO-STIM 01D

Sophisticated Isolated Stimulator

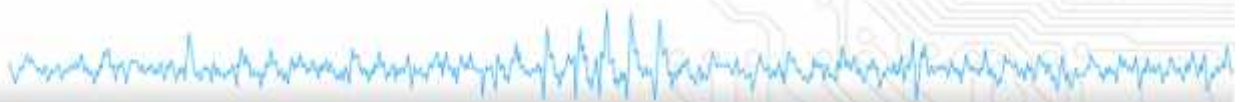


Features:

- ⇒ **NO** batteries needed
- ⇒ ISOLATED OUTPUT
- ⇒ Three input modes: ANALOG, GATE TTL, DIRECT
- ⇒ Stimulus AMPLITUDE set by potentiometer and a RANGE switch (CURRENT) or by an external source, e.g. a data acquisition system
- ⇒ Stimulus duration set by two digit thumb wheel control from an internal, digital timer (10 μ s to 99 ms) or by an external source
- ⇒ Current (± 10 mA) or voltage (± 100 V) source output (other values possible)
- ⇒ Capacitance compensation for the electrode capacitance

By default with **bipolar** stimulus generation

Also available as module for the EPMS-07 system!!



made to measure

ISO-STIM 01M

Modular Sophisticated Isolated Stimulator



Combine with

- ➔ EXT-10C (extracellular amplifier)
- ➔ DPA-2FX/DPA-2FS or DPA-2FL (amplifier / filter)
- ➔ BA-01M (intracellular amplifier)
- ➔ AUDIS-03/8M (audio monitor)

to get a complete system for stimulating,
extracellular and intracellular recording



For more information 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

Switzerland:

Science Products Trading AG
Phone: +41-43-4880561
Fax: +41-43-4880562
info@science-products.com
www.science-products.ch

