



ISO-STIM 01B Basic Stimulus Isolator



Features:

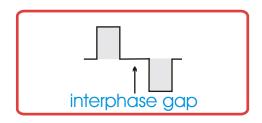
- 2 external power supply options: line: (input 90 V ... 240 V AC) rechargeable battery: ±40 V
- ⇒ 2 pulse modes:

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
- \Rightarrow unipolar \Box or bipolar \Box
- → Adjustable InterPhase Gap (IPG)*

Man Annahat Amal

➡ More complex timing with TMR-01B



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* Cappaert NLM, Ramekers D, Martens HCF, and Wytse J. Wadman Effiacy of a new charge-balanced biphasic electrical stimulus in the isolated sciatic nerve and the hippocampal slice. Int. J. Neur. Syst. 23, 1250031 (2013) <u>http://dx.doi.org/10.1142/S0129065712500311</u>





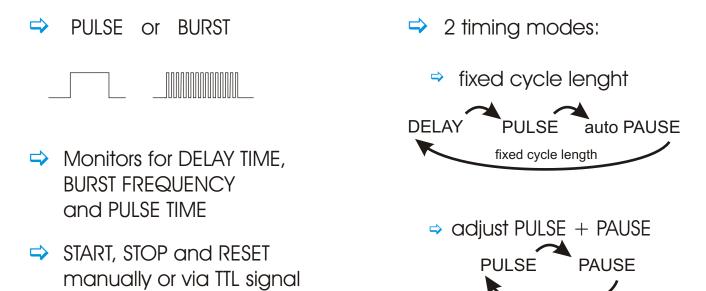
made to measure





Features:

made to measure



- 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



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
- \Rightarrow 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!!

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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:

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