

ISO STIM II

Isolated Stimulator

approved electronics - new design



Keep it simple:

Modular approach allows you to:

- choose your desired voltage range and supply source
- choose from various different control options
- choose your output (voltage or current)

**Only pay for what
you really need!**





Which options to choose?

Choose base unit with desired voltage range:

ISO-II-100: ± 100 V, ± 10 mA

ISO-II-40: ± 40 V, ± 10 mA

ISO-II-20: ± 20 V, ± 10 mA

Standard: low-noise external power supply

Option: rechargeable battery up to ± 80 V

Do you need output other than voltage?

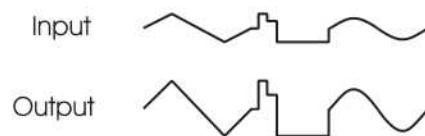
included: voltage output only

ISO-II-CUR: current output instead of voltage output

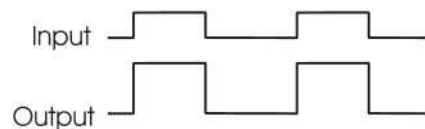
ISO-II-CURPOT: switchable current **and** voltage output

Choose your control method:

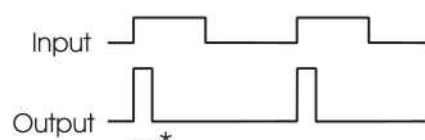
ISO-II-DIR: The output signal follows the input signal



ISO-II-TTL: TTL Gated: Amplitude set at front panel switch
Duration defined by TTL input



TTL Timed: Amplitude set at front panel switch
Duration set by front panel switch*



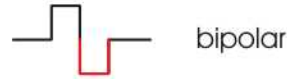


Choose your control method:

All timed pulses can be put out as **unipolar** or **bipolar** pulses



unipolar

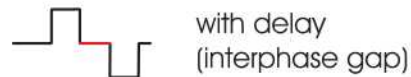


bipolar

*For **bipolar** pulses a variable delay (**IPG**) can be introduced:

ISO-II-IPG: Same features as ISO-II-TTL, **plus:**

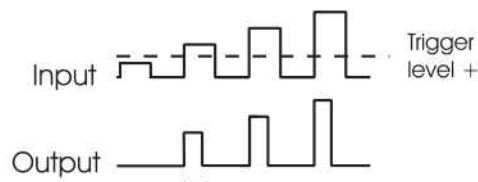
InterPhaseGap



with delay
(interphase gap)

ISO-II-ATR: Duration set by front panel switch*

(Analog Timed) Amplitude follows the input signal



ISO-II-FULL: Includes all above mentioned features

Accessories:

ISO-CAB-D: Shielded cable for electrode connection



DigiStim: Programmable USB signal generator



High quality npi products - made in Germany

Universal Amplifiers

patch clamp, single cell electroporation, transfection, intra- and extracellular, voltammetry

Bridge Amplifiers

most accurate current clamp amplifiers, extracellular

Extracellular Amplifiers

LFP, EEG, EMG, single units single- or multi-channel

Voltammetric Amplifiers

voltametry, amperometry, FCV

Temperature Controllers

analog control for low-noise operation

Iontophoretic Substance Application:

fast and precise application of charged substances

Customized Devices and Prototypes

easy customization due to in-house production

Miniature Headstages

record in freely moving animals, intra- and extracellular, voltammetry

Amplifiers for Oocytes

fast and accurate clamp with large currents

Single Electrode Amplifiers

fastest discontinuous current and voltage clamp

Isolated Stimulators

current and/or voltage, battery or power supply

Filters and Signal Conditioners

high- and lowpass Bessel filters

Pressurized Substance Application

precise application of all liquids

Fiber Photometry Systems

plug-and-play addition to any e-phys rig

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