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TRANSFORMING IDEAS
INTO INSTRUMENTS

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TISSUE BATHS, TRANSDUCERS, STIMULATORS

Multiplexing Pulse Booster

Cat. No. 3165

General

The 3165 Multiplexing Pulse Booster is a useful complement to any stimulator, delivering up to 800mA of constant current to up to four in-vitro preparations (e.g., smooth muscles) at the same time.

The Multiplexing Pulse Booster has been designed to obviate the inconveniences connected to the use of single-channel stimulators, that lack the independent output connections and the individual adjustment capability to deliver pulses of preset intensity to more than one preparation.

It is especially useful when "field electrodes" and other low impedance stimulation arrangements are used.

Bear in mind that the one-channel stimulator can be conveniently replaced by a data acquisition system, as our **17304 DataCapsule-Evo!**



**Four in-vitro preparations
can be driven by a single
one-channel stimulator**

Main Features

- High Power constant current: up to 800 mA
- Adequate Voltage (45V) enabling stimulation by field electrodes of most in-vitro preparations
- Independent Isolated Circuits to eliminate interference
- Continuous Monitoring of the preset current flowing through each preparation
- Unipolar or Bipolar Mode

Ugo Basile: more than 25,000 citations

Instrument Description

The 3165 features:

- High Power, digitally adjustable constant current: up to 800 mA
- Adequate Voltage (45V) which enables stimulation by field electrodes of most in-vitro preparations described in the literature
- Unipolar or Bipolar Mode
- Independent Isolated Circuits to eliminate interference
- Continuous Monitoring of the preset current flowing through each preparation

The current level of each channel is set via its individual 3-digit thumb-wheel switch.

The current output is adjustable in each channel to equal or different levels in the range 0-799mA in 1mA steps.

These current levels are independent of the Stimulator output voltage.

The pulse mode, either unipolar or bipolar, can be selected on one or more channels.

Optional Timer

An optional **Timer (Cat. 3175)** can be supplied, housed in its individual mini-box, to enable the Pulse Booster to deliver pulse trains, when the Stimulator lacks this feature.

This timer is provided with both train and pause-between-trains duration adjustments. Both adjustment time-scales span the interval 0-999 seconds in 1 second steps.

A standard field electrode pair (Cat. 3160) can be supplied. Special electrodes can be designed and manufactured on request.

Please ask for details!

Connection to Digital Recorder

A one-channel stimulator can be conveniently replaced by a data acquisition system, as - for example - our **DataCapsule-Evo!**

Ordering Information

3165	MULTIPLEXING PULSE BOOSTER, complete
3165-302	Instruction Manual
E-PE 015	Connection Cable
E-WP 008	Power Cord

Optional

3175	Timer for 3165
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PHYSICAL

Power Requirement	115/230 V, 50/60 Hz, 30W
Dimensions	26(w)x30(d)x12(h)
Weight	4.4Kg
Shipping Weight	6.5Kg approx.
Packing	46x38x27cm

Bibliography

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