



Trig-Tek™ 200B Clipper

MATURE

The Trig-Tek™ 200B Clipper Module is designed to provide constant drive to the Air Modulator Valve over the rated frequency range and to prevent over modulation of the valve during either a sine or random acoustic test.

Key Features

- Master gain control
- Clipper set control
- 10:1 clipper ratio
- SE or DIFF input
- SE or 150 output
- Interlock circuit
- Up to 6 modules/chassis
- 115 or 230 V_{rms} power

Product Information

The 200B has selectable filters compatible with EPT (Electro Pneumatic Transducer) 948, EPT 200, EPT 110 or EPT 1094 Electro Pneumatic Modulator Air Valves. The four modes of operation are selectable by movable jumpers inside the unit.

The 200B is installed in signal processing systems ahead of the power amplifier. It provides the proper frequency band shaping.

Specifications

Note: The Astronics Test Systems policy is one of continuous development and improvement. Consequently, the equipment may vary in detail from the description and specifications in this publication.

Signal Input

Impedance

- >100 kΩ

Maximum Level

- 2 V_{rms}

Frequency Response

- 5 Hz to 10 kHz

SE-DIFF Switch

- Selects "SE" (single ended) or "DIFF" (differential Input)

Signal Output

Impedance

- <50 Ω

Maximum Level

- 30 V_{pk-pk}

Distortion (No Filter)

- 1% 10 Hz to 2 kHz

SE-ISO Switch

- Selects "SE" (single ended) or "ISO" (isolated) output

Clipper Monitor

Impedance

- <100 Ω

Clipper Ratio

- Adjustable from 10 to 1

Interface

Power

- 115 or 230 V_{rms} (50 or 60 Hz)
- <20 W

Mechanical

Dimensions

- 7" H x 2.7" W x 14" D
(17.8 cm x 6.9 cm x 35.6 cm)

Ordering Information

408311-001 : Trig-Tek™ 200B (Mature)

Clipper (requires cabinet)

Accessories (Mature):

408310-001 : Single-Module Cabinet

408367-001 : Six-Module Cabinet



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TEST SYSTEMS