

TAP Instruments G.I. Airgun Controller

Overview

This unit is specifically designed to control the firing of a Generator-Injector (GI) type single air gun source. It is a totally integrated unit, which enables the GI gun to fire with maximum efficiency, and give the best possible pulse output, by allowing both the injector trigger delay and trigger pulse width to be adjusted over a wide range. The power supply is designed for a fast firing cycle, for high-res surveys. Multiple indicators show the static and dynamic state of each trigger line.

It includes several other useful features, such as versatile input triggering, timebreak threshold control and buffering, choice of timebreak outputs, 'safearm', and a front panel test fire button.

The standard unit fits into a 2U instrument rack.



Specifications

Number of firing circuits: 2 (both used in 1x GI gun operation)

Solenoid Voltage: up to 60v (Hardware adjustable)

Solenoid Pulse Width: 5ms -50ms (in 5ms steps)

Trigger Delay: 10ms - 99ms (1ms steps)

Trigger Input modes: +ve, -ve or closure

Timing Control: Input gun hydrophone threshold adjustment

Timebreak O/P: TTL +ve pulse, width 2ms

Power Requirements: 220-240v AC

Size: 2u 480mm Deep Subrack