

HVB-1

Seismic Timer

The HVB-1 seismic timer (or “blaster”) is used to simultaneously detonate a single seismic-quality blasting cap and trigger the seismograph. The blaster monitors the impedance on the shot line, only triggering the seismograph when the cap actually fires. This means even delayed caps can be used.

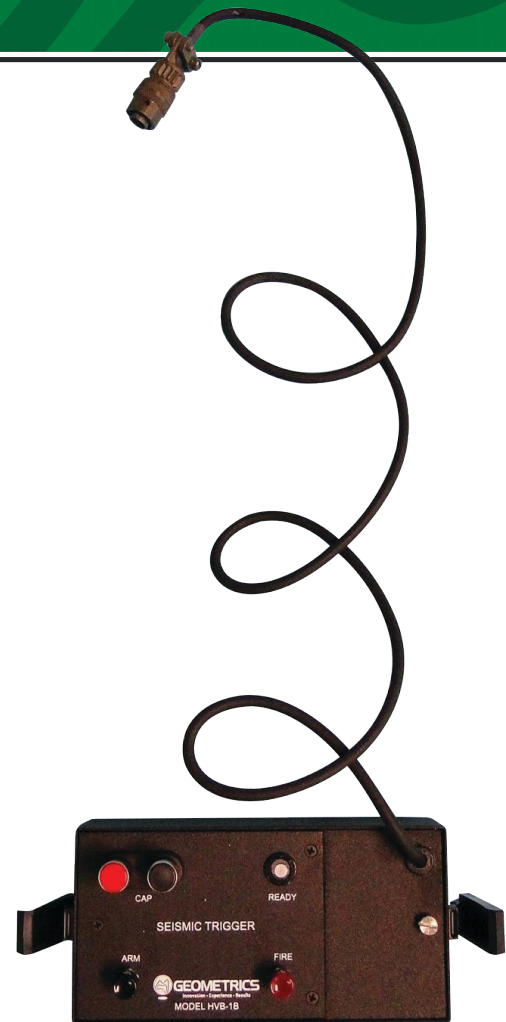
By connecting to both the cap and the seismograph, the timer acts as the interface between the two. The seismograph is connected to the timer by the built-in cable. To connect the cap, one end of the blaster cord is inserted into the locking posts on the timer and the other end is wired to the cap.

Operation is simple: hold the fire button until the ready light illuminates (~3-4 seconds), then press the FIRE button.

The timer delivers 200 V at 100 μ f. It may be used for shot lines up to 300 m long and the allowable distance between the seismograph and blaster is 500 m, giving a total distance between the seismograph and the shot of 800m. Shot line is simple lamp or speaker cord and can usually be sourced locally.

FEATURES

- Fires a single cap up to 300 meters away; timer can be up to 500 m from seismograph.
- Monitors shot line impedance, triggers seismograph when cap detonates.
- Engineered for rugged field use: reliable in harsh environments, survives shock, humidity, and dust.
- Powered by 4 AA batteries.
- Delivers 200 V at 100 microfarads.
- Compact and lightweight.



SPECIFICATIONS

Dimensions: 15.2x7.6x5.1 cm (6x3x2 in).

Weight: 2.74 kg (1.25 lb).

Power: Four AA batteries.

Built-in cable: 1.22 m (4 ft) long, terminated with 3-pin Bendix connector to mate with seismograph or extension cable.

Specifications subject to change without notice. HVB-1_v1 (0723)