

HotShot

Seismic Source Synchronizer



Tailored to the Needs of:

- Check Shot
- VSP
- Small Array Transition Zone Surveys

Gun Control Radio Link HotLink

HotShot Standard Features

- Each unit fires 1 to 4 guns with 0.1 msec resolution and supports "Bolt", "G", "Sleeve", and "GI" guns.
- Multiple units can be combined for use up to 16 guns.
- PC graphic display of all gun signatures.
- Sensor configuration for hydrophone, shuttle, or PCB sensor.
- Intuitive menu-driven user interface.
- Real time Q/C alarms for gun timing errors and autofire detection.
- Line Q/C and Stastical Reports.
- Master/Slave multiple offset shooting. 16 bit hydrophone signature, depth and manifold pressure optional.

PC System Components

- Windows Based Graphical User Interface
- Shot Data Log and Reports
- Sensor Signature Display
- Gun Performance Graphs and History

Solenoid Power Supply

- Four Channel Solenoid Power Supply. Daisy Chains to 16 Channels
- Sensor Test Mode for System Self-test
- Sealed Case for Water-tight Transport
- 75 to 150VDC Programmable Firing Voltage

Remote Radio Link

- Multiple Gun Location Control
- Real Time Field Time Break
- Digital Gun Data Transmission
- Digital Hydrophone Transmission



Also available as a rack mountable unit



RTS Real Time Systems

Product Specifications

General Specifications

Number of Guns	1-4 (Expandable up to 16) guns
Gun Types	Bolt, Sleeve, G and G.I.
Sensor Types	Shuttle, Accelerometer, Hydrophone, PCB
Timing Resolution	0.1 msecs
Control Software	Windows Version 98 and Above
Radio Link Accuracy	50 µsec

I/O Pins

Sensor IN	Military Style
Trigger IN	Closure, TTL Low or Optoisolated
Hydrophone (1 or 2 chan) IN	Differential (Header programmable Input)
Pressure (1 or 2 chan) IN	4 - 20ma
Gun Depth (1 chan) IN	Freq Coded (Sercel, AG or I/O transducer)
Fire Pulse Out Connector Type	Military Style
Record Out	200 msecs TTL or closure (programmable time)
Predicted Fire Out	5 msec TTL high going
Field Time Break Out	Analog Summed Sensor or Hydrophone

Menu Programmable Features

Aim Point	100 msecs after trigger (800 msecs for Radio Link)
Fire Pulse Width	1 - 255 msecs
Delta Error Q/C Limits	0.1 - 5.0 msecs
Auto-Fire Detect Level	0 - 10 volts
Sensor Signal Gain	0 - 60 dB
Sensor Detection Look Window	2 - 50 msecs
Sensor Peak Threshold	0 - 10 volt
Sensor Pick Type	Threshold, Peak or Zero Cross

Size

HotShot Dimensions (Compact)	10.625 x 5.75 x 7 in. deep
HotShot Weight	10 lbs
HotLink Dimensions (Compact)	16.125 x 13 x 7 in. deep
HotLink Weight	17 lbs

Power

4 Channel Supply	90-240 VAC (avg 20 Watts)
------------------	---------------------------

