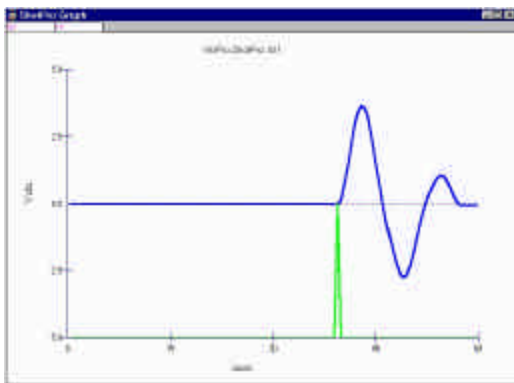
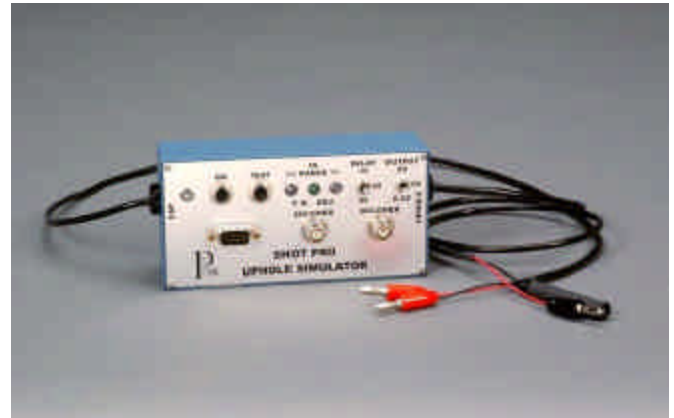


Shot Pro Uphole Simulator™

- Simulates blasting cap and uphole geophone for testing of seismic dynamite blasting systems
- Simulates actual uphole geophone response
- User selectable delay and amplitude of uphole response allows verification of input circuitry and uphole time picking algorithms.
- Measurement and display of timing differential between encoder and decoder time break signals allows simple, accurate zero-time adjustment
- Automatic power off after 5 minutes of inactivity for longer battery life



The Pelton Uphole Simulator is designed to receive a high voltage firing signal from a seismic dynamite blaster, such as the Pelton Shot Pro, and produce a simulated uphole geophone signal. This simulated uphole signal has a waveform similar to that of a geophone placed at the top of a shot hole. User selectable delays and amplitudes allow the verification of overall system operation through to the recording system as well as automated uphole time picking in systems such as the Pelton Shot Pro. Additional circuitry is provided for the measurement of the differential between two pulses such as timebreak signals. This allows simple and highly accurate adjustment of system and radio delays between encoders and decoders to insure proper alignment of time zero.

Specifications:		INPUT/OUTPUT, INC.
Physical Characteristics		
Height	55 mm (2.25 in)	
Length (excluding cables)	152 mm (6.0 in)	
Width	76 mm (3.0 in)	
Weight	0.49 kg (1.1 lb) with battery and cables	
Operating temperature range	-40°C to +60°C (-40°F to +140°F)	
Voltage		
Unit	9 Volt battery, internal	
Input	20 V – 1000 V, 15 A – 40 A	
Output	0.2 V, 2 V or 4 V pulse; delay of output pulse after input signal: 10, 20 or 40 ms	
Ordering Information:		
Uphole Simulator	P/N 101-100088	

United States – Stafford, TX
 Input/Output, Inc.
 Fax: 281.879.3500
 Phone: 281.933.3339

United States – Ponca City, OK
 Pelton Company, Inc.
 Fax: 580.762.0023
 Phone: 580.762.6341
 E-mail: pelton@peltonco.com

Russia
 Igor Skobelev
 Phone: 7.095.279.1559

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 Input/Output, Inc.
 Fax: 44.1603.411403
 Phone: 44.1603.4114000

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