



HGS (INDIA) LIMITED



SPECIFICATION SHEET – REFRACTION BOOM BOX SYSTEM

Dynamite Blaster for Refraction Acquisition

Boom Box Hardware:

- Compatible with most seismographs requiring trigger signal to start recording
- Boom Box simultaneously fires charge and sends trigger signal to seismograph
- Internal cap test for blasting cap integrity
- Comprehensive uphole phone test verifies geophone operation
- With optional uphole phone deployed, unit calculates and displays uphole time
- Boom Box stores PFS (Post-Fire Service) data to internal memory for last 123 shots, including uphole time and uphole waveform
- With optional GPS receiver, Boom Box also stores shot time (integer second) and location
- Use Boom Box View software to export stored data as text or csv file



Boom Box refraction unit

Features:

- Accurate and repeatable shot firing accuracy, +/- 20 usec
- Safety-Triple protection against accidental CAP firing
 - **ARM switch** - shorts CAP lines unless switch is held in ARM position
 - **CHARGE switch** - High Voltage is disconnected from CAP lines unless switch is held in charge position
 - **DSP control**- High Voltage is not connected to CAP lines unless commanded by the Digital Signal Processor
- Bright Wide Temperature Display
- Smaller, Lighter and Faster than competitor's product
- Low Cost, Rugged and Reliable
- Simple yet Sophisticated
- Low Power consumption

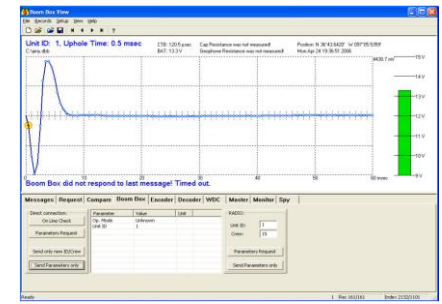


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Includes Boom Box View Software:

- Configure parameters for Boom Box
- Upload configuration parameters to Boom Box
- Download PFS (Post-Fire Service) data from Boom Box
- Analyze data from Boom Box



Boom Box General Specifications

Operating voltage	10-36 VDC
Sample rate	0.5 mSec
Shot firing accuracy	$\pm 20 \mu\text{Sec}$
Firing voltage	400 V
Firing current	>200 A (0.5 Ohm load)
Charging time	<1 second
Dimensions	76x144x305 mm 3x5.6x12 in
Weight	1.4 kg 3.1 lbs
Operating temperature	-40° to +60° C -40° to +140° F
Communication Software	BBview
Communication Interface	RS-232

Ordering Information

Item Description	HGS Part No.
Boom Box refraction unit (Dynamite Blaster)	MK000239

Version 1.1



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