



Seismic Electronic Initiation System



Product Description

GeoShot joins the proven suite of electronic initiation systems from Dyno Nobel. This system provides enhanced safety and security for the geophysical exploration industry. GeoShot is configured with special features to meet the unique needs of drillers and data acquisition crews. GeoShot delivers accurate, rugged and reliable hardware, along with smart, easy-to-use shotpoint data collecting software for our seismic customers.

Application Recommendations

For detailed application recommendations, **ALWAYS** request a copy of Dyno Nobel's Product Manual from your Dyno Nobel representative.

- **ALWAYS** use GeoShot system components together; components are NOT compatible with any other system.
- **ALWAYS** make sure the Tagger is configured to the seismic setup in order to insure correct data is captured.
- **NEVER** connect the detonator to the Tagger while its connected to the charger.
- **NEVER** force connectors into product.
- **NEVER** wrap the arming device cable around a radio antenna as it will cause interference.
- **NEVER** test more than one detonator at a time. A maximum of 5mA leakage can be tolerated.

Technical Information



Properties

SDS #1152

Detonator Shell / Cable Conductors	Copper
Detonator Shell Dimensions	94 mm long / 7.5 mm O.D. 3.7 in long / 0.29 in O.D.
Cable Color	Orange
Wire Tensile Strength	>200 N / 45 lbs @ 21°C / 70°F
Wire Elongation	Maximum 25%
Detonator Strength	#12
System Operating Temperature (range)	-40°C to 50°C / -40° to 122°F
Net Explosive Quantity (per 100 units)	0.10 kg / 0.22 lbs

Packaging information on page 2

Hazardous Shipping Description

Detonators, electric, 1.4B, UN0255





Technical Information



With safety always Dyno Nobel's #1 priority, the GeoShot Tagger communicates with the GeoShot detonators using a voltage below minimum firing voltage and does not contain the encoded firing command. The GeoShot SIU is the only device that can deliver the encoded firing command to the GeoShot detonator.

Transportation, Storage and Handling

- GeoShot must be transported, stored, handled and used in conformity with all federal, state, provincial and local laws and regulations.
- For maximum shelf life (5 years), GeoShot must be stored in a cool, dry, well ventilated magazine. Explosive inventory should be rotated. Avoid using new materials before the old. For recommended good practices in transporting, storing, handling and using this product, see the booklet "Prevention of Accidents in the Use of Explosive Materials" packed inside each case and the Safety Library Publications of the Institute of Makers of Explosives.

Case Dimensions

12ft Coil	41 x 30½ x 30½ cm	16⅞ x 12 x 12 in
Coils	40 x 29 x 30½ cm	15¾ x 11½ x 12 in
Spools	31 x 30 x 27 cm	12¼ x 11⅞ x 10¾ in

Packaging

Length		Part Number	Unit Type	Case Quantity	Case Weight	
Meters	Feet				kg	lbs
3.5	12	GS44012	COIL	108	9.3	20.5
7	24	GS44024A	COIL	96	10.6	23.4
11	35	GS44035A	COIL	84	15.5	34.2
14	45	GS44045A	COIL	64	15.5	34.2
17	55	GS44055A	COIL	60	17	37.5
20	64	GS44065A	COIL	40	11.5	25.4
24	80	GS44080A	COIL	40	14	31
24	80	GS44S080	SPOOL	24	13.2	29
30	100	GS44100A	COIL	32	18	40
30	100	GS44S100	SPOOL	20	14.3	31.5
37	120	GS44120A	COIL	24	15.4	34
40	130	GS44S130	SPOOL	16	13.4	29.5
45	150	GS44150A	COIL	20	16.5	36.4
45	150	GS44S150	SPOOL	12	12	26.5
54	180	GS44180A	COIL	16	14	31
61	200	GS44S200	SPOOL	12	14.2	31.3
73	240	GS44S240	SPOOL	12	16.7	37
81	265	GS44S265	SPOOL	8	12.5	27.5

*Estimated Length rounded to nearest whole meter. Other lengths available upon request.

Due to the system's flexibility, contact your local Dyno Nobel representative for additional information.

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