



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 |
| Coiled Standard Wire Tensile Strength | >200 N / 45 lbs @ 21°C / 70°F |
| Spooled HD Wire Tensile Strength | >300 N / 75 lbs @ 21°C / 70°F |
| Wire Elongation | Maximum 25% |
| Detonator Strength | #12 |
| System Operating Temperature (range) | -40°C to +80°C / -40° to +176°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 |
| 40 | 130 | GS44130A | COIL | 20 | 15.3 | 33.73 |
| 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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