TECHNICAL DATA SHEET

INITIATION SYSTEMS

DIGISHOT®

Electronic Initiation System

PROPERTIES — SDS #1152

Detonator Shell	Copper
Cable Color	Red
Tensile Strength	>500 N / 112 lbs
System Operating Temperature (range)	-40° to +80°C / -40° to +176°F
Detonator Strength	#12
Net Explosive Quantity (per 100 units)	0.10 kg / 0.22 lbs
Maximum Delay	20,000 ms
Maximum Detonators per Blaster	600
Maximum Surface Wire Length	2.5 km / 8,202 ft

PACKAGING

Length*		**Case Quantity**	**Case Weight**	
meters	feet	--	kg	lbs
6	20	100	11.3	24.9
9	30	84	12.9	28.4
15	50	60	14.0	30.9
18	60	52	15.2	33.5
24	80	40	15.0	33.0
30	100	32	14.9	32.8
37	120	24	13.5	29.8
46	150	20	13.7	30.2
55	180	16	14.1	31.1

* Length rounded to nearest whole meter

HAZARDOUS SHIPPING DESCRIPTION

Detonators, electronic, 1.1B, UN0511

TDS-DNNA-DNIS-TRON.0003

PRODUCT DESCRIPTION

The DigiShot electronic initiation system is an easy-to-use, reliable accurate electronic initiation system primarily for use in small surface blasting applications. Its flexibility caters for a wide range of specialized blast configurations to optimize blast results.

APPLICATION RECOMMENDATIONS

- Due to the system's flexibility, contact your local Dyno Nobel representative for Application Recommendations.

CUSTOMER BENEFITS

- Accurate timing enables customers to achieve a variety of benefits ranging from better fragmentation to improved crusher throughput to happier neighbors resulting from decreased Peak Particle Velocity (PPV) and/or improved frequencies
- Easy to use, menu-driven software
- Minimal on-bench components just the electronic DigiShot detonator (in the blast hole) and a 2-wire busline on the pattern
- Flexible tagging options make the blast loading and hookup process easier and more efficient
- The delay timing is now stored in the detonator with the capability of reassigning delays with the push of a button
- Delay timing is the choice of the blaster: auto-programmed (easier, time-saving, decreased error) or fully programmable (facilitates the use of virtually any delay scheme)
- The CE4 Ranger has a built-in antenna with a RF range of 1.86 miles (3km)

Product Disclaimer: Please see reverse side.

DYNO NOBEL

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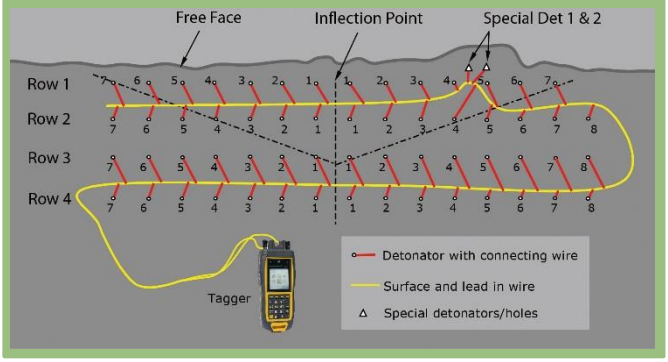
DIMENSIONS

Case	40.5 x 29.25 x 28.5 cm	16 x 11.5 x 11.5 in

HOOKUP DIAGRAM



DigiShot® is a trademark of DetNet® South Africa (Proprietary) Limited.

UNIQUE FEATURES

- The location and delay is stored in the detonators non-volatile memory. The delay can now be assigned at the hole or after assigning only the location. The DigiShot Electronic Initiation System automatically checks the functionality of the detonator while concurrently assigning the detonator location and/or delay.
- CE4 Tagger is a unique, lightweight, blaster-friendly hand-held tool used to assign the borehole / DigiShot detonator and delay location with minimal keystrokes. The Tagger can be used to test an individual detonator, part of the pattern or the entire circuit prior to leaving the bench. The Tagger, together with the CE4 Ranger, enables initiation of the blast from a point of safety. Easy-to-follow screen menus lead the blaster through all on-bench and firing operations DigiShot® is a trademark of DetNet® South Africa (Proprietary) Limited.
- The CE4 Ranger automatically detects and tests all DigiShot detonators connected to the surface wire. For added security, the CE4 Ranger is password protected, requires a specific BlastCard that uses an encryption code as well as a fire command to fire the blast.
- The connectors are all rugged and water resistant. ESD Resistance, RF Resistance, Cable Abrasion & Cutting Resistance all pass CEN TS 13763-27, the European Standards of Compliance for Electronic Detonators.

TRANSPORTATION, STORAGE AND HANDLING

- DigiShot 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), DigiShot 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.

ADDITIONAL INFORMATION – Visit **dynonobel.com** for Brochures and Case Studies related to this product.

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