TECHNICAL DATA SHEET

INITIATION SYSTEMS

DIGISHOT® PLUS.4G

Electronic Initiation System

PROPERTIES

DIGISHOT® PLUS.4G	
Detonator Shell	Copper - Length 88.9 mm
Detonator Strength	# 12
Net Explosive Quantity (per 100 units)	0.10 kg
Dynamic Shock Resistance	<=15954.15 Psi / 110 Mpa
ESD Resistance	> 1 Joule Energy @ 30 KV
RF Immunity	Passes CEN/TS 13763-27
Standard Wire Color	High Visibility Green
Premium Wire Color	Black with High Vis. Green Stripe
Deep Hole Wire Color	High Visibility Yellow
Tensile Strength for Standard Wire	< 500 N / 51 kg
Tensile Strength for Premium Wire	< 415 N / 42 kg @ 21° C
Tensile Strength for Deep Hole Wire	< 200 N / 20.5 kg @ 21° C
Elongation for Standard Wire	~ 3%
Elongation for Premium Wire	~ 20%
Elongation for Deep Hole Wire	~ 20%
System Operating Temp. (range)	-40° to +80°C
Maximum Delay	20,000 ms
Maximum Detonators per Blast	16,000 (Utilizing DigiShot® Plus.4G blast Commander)
In-Hole Sleep Time Testing	21 days in water and 100% diesel mediums pressurized to 1MPa at 25°C

HAZARDOUS SHIPPING DESCRIPTION

Detonator, electronic, 1.4B UN0512

HAZARDOUS SHIPPING DESCRIPTION

Detonator, electronic, 1.4S UN0513

PRODUCT DESCRIPTION

DigiShot Plus 4G is an electronic initiation system providing accurate timing benefits, multiple quick deployment methods with three robust downline wires and all-weather surface connectors. The new generation 4G detonator is fully programmable tailored to fit all types of blasting operations. The DigiShot Plus 4G electronic initiation system also provides these additional features:

- 15x more memory allowing for storing and tracking of identification numbers and GPS coordinates
- 7x faster programming
- Tag-by-plan, Tag-on-connect or assign delay directly

With safety always Dyno Nobel's #1 priority, the CE4 Tagger (used in the field for testing and tagging operations) is inherently safe in normal operating conditions and does not produce sufficient voltage or have the firing commands to fire the detonator. In addition, the DigiShot Plus 4G detonators are fully testable with 2-way communication, which facilitates easy fault identification and repair. Individual detonators, rows of detonators or the entire pattern can be tested prior to connection to the blasting equipment.

APPLICATION RECOMMENDATIONS

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

ISO 9001 ISO 14001 ISO 45001 CE 1019

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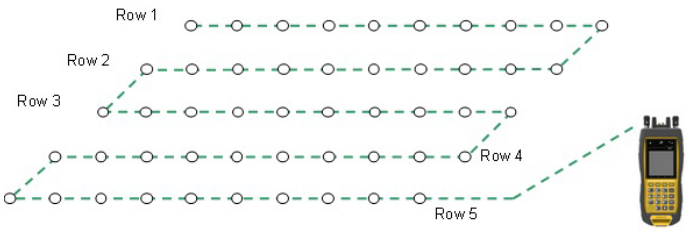
HOOKUP DIAGRAM



DIMENSIONS

DIGISHOT® PLUS .4G - 1.4B UN0512

Detonator Length	Detonator Pieces /Box	Box Dimension L x W x H - mm
6,1m - 30ft (min)	136	530 x 340 x 300
74,7m- 245ft (max)	20	

DIGISHOT® PLUS.4G - 1.4S UN0513

Detonator Length	Detonator Pieces /Box	Box Dimension L x W x H - mm
6,1m - 30ft (min)	64	537 x 347 x 287
74,7m- 245ft (max)	10	

* **Contact a Dyno Nobel consultant for lengths outside 6 m – 75 m.**

CUSTOMER BENEFITS

- **Optimized Fragmentation:** High electronic accuracy improves crusher throughput and fragmentation while reducing vibration (PPV) and optimizing frequencies.
- **Enhanced Safety:** Supports remote firing capabilities to ensure initiation from a safe distance.
- **Operational Efficiency:** Increased detonator memory and multiple wire options prevent blast delays and ensure rapid deployment.
- **Premium Wire:** High elongation and tensile strength; specifically engineered for environments where hole slumping is a concern.
- **Standard Wire:** High-strength durability designed for daily, high-performance blasting requirements.
- **Deep Hole Wire:** Features a spooled design and small oval profile; optimized for deep holes to mitigate slumping and stemming lock risks.

TRANSPORTATİON, STORAGE AND HANDLING

- DigiShot Plus 4G 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 Plus 4G 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 **nitromak.com** or **dynonobel.com** for Brochures and Case Studies related to this product.

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