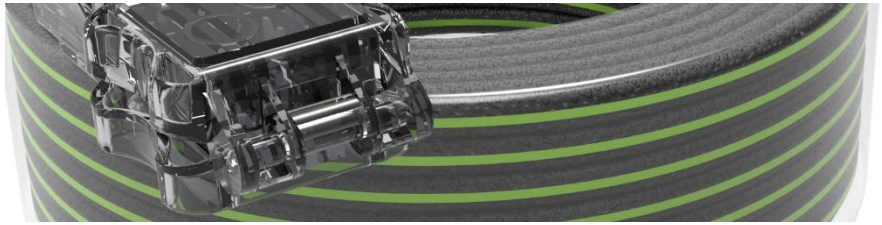
DigiShot® Plus.4G

Technical Information



Product Description

DigiShot Plus.4G electronic initiation system is Dyno Nobel's most recent addition to its electronic initiation system product portfolio. In addition to accurate timing benefits, quick deployment with robust downline wire and all-weather surface connectors, DigiShot Plus.4G is truly flexible, user friendly and fully programmable. The detonators can be connected to the busline in any convenient order ... not just the firing order! The DigiShot Plus.4G electronic initiation system also provides these additional features –

- Remote firing capability with repeater option
- Tag-by-plan and Tag-on-connect
- The ability to initiate larger blasts (up to 16,000 detonators)
- ViewShot™ PC based blast design software enables timing patterns to be downloaded directly from the PC into the CE4 Tagger.

With safety always Dyno Nobel's number one priority, the CE4 Tagger (used on the bench for testing and assigning delays to individual detonators) is inherently safe and does not produce sufficient voltage to fire the detonator. In addition, the DigiShot Plus.4G detonators are fully testable with two-way communication which facilitates easy fault identification and repair. Individual detonators, strings of detonators or the entire pattern can be tested prior to connection to the Blast Commander.

DigiShot Plus.4G is available in both standard and premium XTM configurations. Standard wire is presented in a coil configuration for all lengths, whilst the premium XTM product, with our highest impact and tensile strength wire, is a coil configuration up to 30m and on spools for lengths of 37m and longer.

Properties

Detonator Shell	Copper
Cable Colour	Black with green stripe
Detonator Operating Temperature (range)	-40˚C to +80˚C
Detonator Strength	#12
Net Explosive Quantity (per 100 units)	0.1kg
Tensile Strength (N)	410 (standard) 460 (XTM)
Maximum Delay	20,000ms
Maximum Detonators per Blaster	16,000 (synchronised 10 x Bench Commanders)
Maximum Surface Wire Length	2.5km

Hazardous Shipping Description

Detonators, Electric, for Blasting 1.4B, UN 0255

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Customer Benefits

The **improved accuracy** associated with electronic initiation enables customers to achieve a variety of benefits ranging from better fragmentation to improved crusher throughput to happier neighbours resulting from decreased Peak Particle Velocity (PPV) and/or improved frequencies.

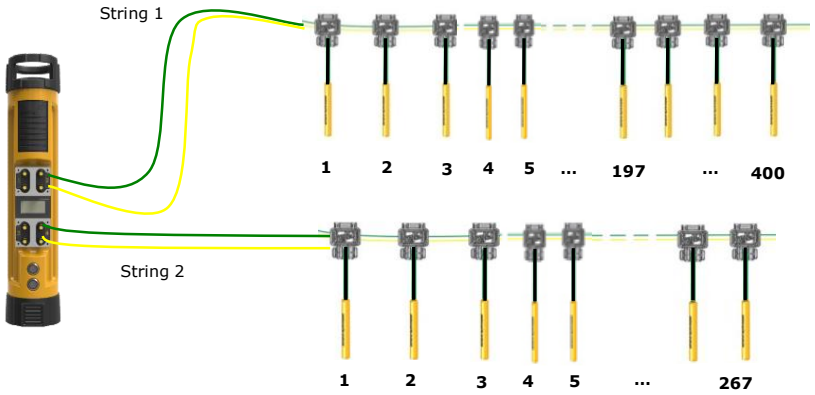
- A DigiShot Plus.4G blast can be initiated using the **remote firing (RF) wireless feature.**
- **Easy to use** menu-driven software**.**
- With Dyno Nobel's **ViewShot PC-based blast design software,** blast designs and timing can easily be transferred from the PC to the Tagger.
- The blast design can be pre-loaded into the Tagger while separated from the detonators.
- **Minimal on-bench components** ... just the electronic DigiShot Plus.4G detonator (in the blasthole) and a 2-wire busline on the pattern.
- The DigiShot Plus Tagger assigns a **detonator time and/or location** to each detonator when it is loaded and tested in the blasthole. The **fully programmable DigiShot Plus** system allows each detonator's delay to be determined individually but also offers an automated delay assignment process.

Application Recommendations

Due to the system's flexibility, contact your Dyno Nobel representative for application recommendations.

Packaging

Length (m)	Standard Wire Case Quantity	XTM Wire Case Quantity
18	52 coils	52 coils
24	40 coils	40 coils
30	32 coils	32 coils
36	24 coils	24 spools
46	20 coils	18 spools
55	16 coils	18 spools
65	16 coils	12 spools
75	16 coils	12 spools



Version 3
January 2018

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Safe handling, transportation and storage

First Aid – You can find detailed first aid information on the relevant Dyno Nobel Safety Data Sheet. Refer to www.dynonobel.com for more information if required.

Safety - All explosives are classified as dangerous goods and can cause personal injury and damage to property if used incorrectly.

Transportation and Storage – For maximum shelf life (5 years), DigiShot Plus.4G must be stored in a cool, dry, well ventilated magazine. All explosives must be handled, transported and stored in accordance with all relevant regulations. Stock should be rotated such that older product is used first.

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