

# Electronic Detonators - Digishot<sup>®</sup>

Electronic detonators are modern, fully programmable and intelligent high strength detonators. Each detonator contains a circuit board that can be programmed to initiate at precise millisecond timing within a firing sequence. Detonators are individually programmed via the use of a handheld tagger and initiated via a bespoke blasting box.

EPC-UK supplies the DigiShot electronic detonator to the UK market. Electronic detonators can be used in a variety of applications including quarrying, mining, demolition and other specialist areas. The high strength detonator is suitable for initiating most priming charges. Complex firing patterns can be easily transferred to the detonators through the use of computer based software, when implemented properly the highly accurate initiation timings offer benefits in vibration control, fragmentation and general blast optimisation.

The digital firing system used for initiation means each firing circuit and individual detonator is tested and a record retained in the software prior to firing. The circuit can only be initiated by specialist firing equipment offering benefit in safety and security over traditional systems. The DigiShot system can be fired in a remote configuration offering improved control over the blast danger zone.



## Product and Company Identification

Product Identifier	Digishot Electronic Detonators
Use of the Product	A precision initiation system for explosive charges used in commercial mining.
Manufacturer / Supplier	EPC-UK EXPLOSIVES
Address	ROUGH CLOSE WORKS CARNFIELD HILL SOUTH NORMANTON ALFRETON DERBYSHIRE, DE55 2BE
Telephone Number	01773 832253
Contact e-mail	info@epc-groupe.co.uk
Emergency Telephone Number	01773 832253

## Product Specification

Product Type	Electronic Detonators
Product Name	DigiShot
Detonator Shell	Copper
Length (mm)	93.75 - 94.25
Diameter (mm)	7.49 - 7.54
Base Charge	PETN
Net Explosive Quantity (g)	1
Strength	No.8D
Lead Colour	Red
Tensile Strength	>550N
Temperature Range (use) °C	-40/+80
Shelf Life	3 years
UN Number	UN00456
UN Description	1.4S
UN Class/Compatibility Group	Detonators, Electric for Blasting
CE Mark	ENB/D/93/16



## Packaging Details

Product Packaging	Lead Length*	Units Per Box
	10	42
	15	36
	20	30
	25	24
	30	24

\* Other lead lengths are available on request

**Maximum Lead-in wire plus surface harness should not exceed 2500m**

\*Up to 900 detonators can be fired in synchronisation mode

# Electronic Detonators

TERMS AND CONDITIONS: "The products and services that we supply to you are sold subject to our standard Terms and Conditions of Supply and any other Special Conditions that we notify to you. Copies of these conditions are available on request."

The information contained in this leaflet is given without warranty and cannot cover all conditions of use. Users should undertake their own tests to ensure the suitability of the products for their own particular application.

