eDev™ II Electronic Detonator

- Reliable initiation of boosters and explosives is achieved by the full strength base charge in the *eDev™ II* detonator
- Reduced inventory frees up working capital because *eDev™II* detonators are fully programmable; any delay between 0 and 20,000ms is always in your magazine

Description

The *eDev™ II* electronic detonator is one of Orica's exciting Next Generation products. These detonators are used in conjunction with:

- SHOTPlus® Tunnel blast design software
- Blast Box 610 or 610C
- Scanner 120 or Scanner 125
- The new Scanner 260 with inherently safe at face testing of all detonators
- *eDev™ II* Test Box or Tester for inherently safe at face testing of all detonators
- Duplex harness wire

Application

This system is specifically for easy use in tunnelling. *eDev™ II* detonators have a bar code printed on the flag tag which contains the detonator's unique ID. The user scans this label to capture the ID and links it with a firing time derived from SHOTPlus® Tunnel. Once all detonators are connected to the harness wire at the face the Scanner 260 or Test Box or Tester can be used to test all detonators.

Key Benefits

- Reliable, effective and safe blasting is achieved because of the rugged, proven construction of the *eDev™* detonator, with testability at the face
- Efficient operations at the face are afforded by the convenient packaging, glove-friendly connector and duplex harness wire
- Predictable blasting results with minimal vibration and overbreak and improved advance per round are achievable because of the programmability and high precision of *eDev™ II* electronic detonators

Properties

Wire color	Yellow
Connector color	Yellow
Tensile strength (kg)	20
Explosives charge weight	900 mg
Shell material	Copper alloy
Shell length x diameter	89 x 7.6 mm
Max delay time	20 000 ms
Precision (Std Dev / Mean)	+- 0.01%

Available Lengths / Packaging

eDev™ II detonators are available in the following lengths and packaging:

Leg wire Lengths	eDev™ 1.1B		eDev™ 1.4S	
	Units / Case	Gross Weight (kg)	Units / Case	Gross Weight (kg)
2 m	180	6.8		
3 m	150	6.9	Not available yet	
4 m	140	7.5		
5 m	130	7.9		
6 m	120	8.2	70	10.0
8 m	100	8.4	60	9.6

Recommendations for Use

eDev™ II detonators can only be tested, programmed and fired using dedicated *eDev™* equipment. Do not use any other programming or blasting equipment. The recommended operating temperature range of *eDev™ II* detonators is -20ºC to 70ºC.

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Sleep-Time Within Blastholes

The recommended maximum sleep time is 21 days. Sleep time is dependent on ground water conditions. Orica Technical Services Representative should be consulted if special conditions exist.

Product Classification

Authorised Name: *eDev™ II*

Correct Shipping Name: Detonators, Electric for blasting

Hazard Class	1.1B	1.4S
UN Number	0030	0456
EX Number	EX2010060239	EX2010080324

All regulations pertaining to the handling and use of such explosives apply.

Storage and Transport

Store *eDev™ II* detonators in a suitably licensed magazine for Class 1.1B explosives. The cases should be stacked in the manner designated on the cases.

eDev™ II detonators have a storage life of up to 2 years in an approved magazine. The product is best stored at temperatures between -20°C and 50°C . *eDev™ II* detonators may be transported at temperatures between -40°C and 70°C.

Disposal

Disposal of explosive materials can be hazardous. Methods for safe disposal of explosives may vary depending on the user's situation. Please contact a local Orica representative for information on safe practices.

Safety

eDev™ II detonators provide a high level of safety against initiation by static electricity, stray electrical currents and radio frequency transmissions. However, *eDev*™ detonators contain pyrotechnics and molecular explosives, which can initiate under intense impact, friction or heat. As with all high explosives, these detonators must be handled and stored with care. *eDev™ II* detonators may only be used at temperatures up to 70ºC. Seek advice from Orica for priming systems suitable for higher temperatures.

See Safety Data Sheet for more information.

Trademarks

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Disclaimer

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