



PRODUCT INFORMATION BROCHURE

E*STAR Gold and Gold HD detonator

is characterized by maximum safety, timing accuracy and variability of initiation for most blasting applications.

Logger programs up to 1,600 detonators to any delay within the range from 1 to 20,000 ms.

The blasting machine can fire 1,600 detonators and can be connected to up to 8 remote units allowing the initiation of 12,800 detonators at once.

RFID touchless tagging offers flexibility and 50%-time savings over connected programming.



BENEFITS

- Copper shell for high water resistance and long sleep time
- Delay range 1 – 20,000 ms with delay increment 1 ms
- Maximum accuracy 0.01% of nominal delay
- Up to 1,600 detonators controlled by 1 Blasting Machine and 1 Logger
- Multiple ways of programming
- Possible remote blasting up to 12,800 detonators in one blast
- Multi-level detonator verification prior to each blast
- 100% verification of the reliability of the blast
- Colour-coded connectors for fast visual division on double primed benches (Yellow <9 m & Red >12 m and HD version Orange <9 m & Pink >12 m)
- HD wire with 33% thicker insulation for higher cut and abrasion resistance.

EQUIPMENT

The system must be operated only by trained and authorized personnel using the dedicated equipment E*STAR Tester, Logger and Blasting machine designed specifically for E*STAR detonators.



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TECHNICAL DESCRIPTION

Shell material	Copper
Leg wires material	Copper coated steel
Heavy-duty wire has 33% stronger insulation with higher cut and abrasion resistance.	
Base charge	720 mg
Water pressure resistance	1 MPa / 28 days
Temperature range for application	-30 °C < T < +60 °C
Shelf life (storage conditions)	5 years (-30 °C to 40 °C)
Label marking	Product name, Wire length, Data matrix code (traceability), Detonator serial number (for RFID labels)
Notified body	CE 1019
Delay interval	Programmable 1 – 20,000 ms (increments of 1 ms)



PACKAGING DETAILS

E★STAR Gold – Class 1.4S UN 0513		E★STAR Gold HD – Class 1.4S UN 0513	
Wire length (red colour)	Units per Carton	HD wire length (orange colour)	Units per Carton
6 m	48	9 m	32
9 m	40	12 / 15 / 18 / 20 m	30
12 m	32	24 / 30 m	20
15 / 18 m	30	36 / 45 / 60 m	12
24 / 30 m	30	75 m	8

Packaging: Cardboard carton of outer dimension 385x296x210 mm 15.16x11.65x8.27 in

BUS-LINE

Wire length	Wire length	Units per Carton
400 m	1,312 ft	4

Packaging: Cardboard carton of outer dimension 490x245x160 mm 19.29x9.65x6.30 in

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