



PRODUCT INFORMATION

BROCHURE

E★STAR GOLD DETONATOR



E★STAR GOLD detonator is characterized by maximum safety, timing accuracy and variability of initiation for most of the blasting applications. Using E★STAR Logger 2 it is possible to program the detonators to any delay within the range from 1 to 20,000 ms. Using the E★STAR Blaster it is possible to fire up to 1,600 E★STAR GOLD detonators per blast. Using E★STAR Remote Blaster and E★STAR Remote it is possible to control blast initiation remotely.

PRODUCT OVERVIEW

EQUIPMENT

The system should be operated only by trained and authorized personnel using the dedicated equipment designed specifically for operating E★STAR GOLD detonators. The currently approved equipment is E★STAR Tester, E★STAR Logger 2, E★STAR Blaster, E★STAR Remote Blaster, E★STAR Mini Blaster, E★STAR Remote and equipment for dual blasting E★STAR Blaster Sync.



BENEFITS

- Copper shell for high water resistance and long sleep time
- Delay range 1 – 20,000 ms
- Minimum delay increment 1 ms
- Maximum accuracy 0.01% of nominal delay
- Up to 1,600 detonators controlled by one Blasting Machine and one Logger
- Multiple ways of programming
- Possible remote blasting – up to 12,800 detonators
- Multi-level detonator verification prior each blast
- 100% verification of reliability of blast
- Color coded connectors, yellow for lengths up to 9 m and red from 12 m up
- Fast verification and fast arming possibility

STANDARD TECHNICAL DESCRIPTION

Detonator standard shell material	Copper
Detonator standard leg wires material	Copper coated steel
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)
Delay interval	Programmable 1 – 20,000 ms (increments of 1 ms)
Notified body	CE 1019

STANDARD PACKAGING DETAILS

Wire length (m)	Wire length (ft)	Packaging 1.1B UN 0511 (pcs)	Packaging 1.4B UN 0512 (pcs)	Packaging 1.4S UN 0513 (pcs)
6	20	80	48	48
9	30	56	40	40
12	40	40	32	32
15 / 18 / 24 / 30	50 / 60 / 80 / 100	X	X	30*

E★STAR detonators are packaged in cardboard box of outer dimension 385 x 296 x 210 mm / 15.16 x 11.65 x 8.27 in.

Other wire lengths are possible on demand.

*/ Delivered on spools. Every box contain a stick for easy manipulation.

BUS-LINE

Wire length (m)	Wire length (ft)	Units per box
400	1,300	4

Bus-line is packaged in cardboard box of outer dimension 490 x 245 x 160 mm / 19.29 x 9.65 x 6.30 in.

Contact your local Austin Powder representative for further information.

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