

E★STAR Seismic

PRODUCT INFORMATION BROCHURE

E★STAR Seismic is characterized by maximum safety and security, the high accuracy, and 100% traceability in field. Using the LM-2 tester it is possible to check E★STAR detonators anytime. By using the DLG1600-100SG Logger, serial number of the detonator, date and time of logging and loading position are automatically recorded. DBM10-S Blasting Machine fires the E★STAR detonator based on a command from the seismic firing system, e.g. Shot Pro or Boom Box, and automatically records the serial number of the detonator and date and time of firing. Reaction time of detonator is 400 ms after receiving firing pulse from seismic firing system.



BENEFITS

- Copper shell for high water resistance and long sleep time
- High initiation accuracy (microseconds)
- Automatic record of detonator serial number by Logger & Blasting Machine
- Automatic record of date, time and place of loading by Logger
- 100% verification of reliability of blast
- Automatic record of date and time of firing by Blasting Machine
- 100 % field traceability

EQUIPMENT

The system should be operated only by trained and authorized personnel using the dedicated equipment designed specifically for operating E★STAR detonators. The currently approved equipment is LM-2 tester, DLG1600-100SG Logger and DBM10-S and DBM1 Blasting Machines.

SEISMIC SHOOTING SYSTEM



SEISMIC SHOOTING SYSTEM + E★STAR SYSTEM



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STANDARD TECHNICAL DESCRIPTION

Detonator standard shell material	Copper
Detonator standard leg wires material	Copper
Base charge	720 mg
Water pressure resistance	1 MPa / 6 months
Temperature range for application	-30 °C < T < +60 °C
Shelf life (storage conditions)	2 years (-30 °C to 40 °C)
Label marking	Product name, Wire length, Data matrix code (traceability)
Notified body	CE 1019

PACKAGING DETAILS FOR STANDARD ASSORTMENT

Wire length (m)	Packaging 1.4B UN 0255	Packaging 1.4S UN 0456
6	100	80
8	80	80
10 / 15 / 20	X	60
25 / 30	X	40

E★STAR Seismic detonators are packaged in cardboard box of outer dimension 425x305x250 mm.

Other wire lengths are possible on demand.



Contact your local Austin Powder representative for further information.

Disclaimer of Warranties and Limitations of Liabilities

Any information contained herein is based on the manufacturer's standard procedures in use at the time of publication. Specifications, test values and information are solely non-binding preliminary information and are not guaranteed. Actual data may differ during field use for reasons beyond manufacturer's control.

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It is solely the responsibility of the product user to determine the safe conditions for use of the products referred to herein. Use of any products by a user is at the user's sole risk.



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