

E★STAR

GENERAL SURVEY

E★STAR DETONATOR

E★STAR is characterized by maximum safety, timing accuracy and variability of initiation for most of the blasting applications. Using special equipment it is possible to program the detonator to delay range from 1 ms to 20,000 ms and blast up to 1,600 detonators per one blast, with connection of 2 Blasting Machines it is possible to blast up to 3,200 detonators per one blast.



E★STAR TESTER

E★STAR Tester is designed for fast and immediate check of the E★STAR detonator or, more specifically, quality of the detonator connection. By using E★STAR Tester it is possible to detect and specify damage of the E★STAR detonator wire.

E★STAR LOGGER

E★STAR Logger is designed for operations in quarries, mines, tunnels, construction and demolition works. The Logger is designed to individual programming of the detonators, for check of connection of the detonators to branches and for data transfer to the Blasting Machine, which is needed for blasting. By using E★STAR Logger it is also possible to check and specify damage of any wire in branch and archive data about programmed detonators in PC. E★STAR Logger exists in following language versions: default English + optional German and Spanish.



E★STAR SEISMIC LOGGER

E★STAR Seismic Logger is designed for seismic applications. By using E★STAR Seismic Logger the serial number of detonator, date of logging, time of logging, location of Logger, serial number of Logger, customer's name and operator's name are automatically recorded after detonator logging. It is possible to manually enter a hole number, hole depth, explosive used, explosive size and ground material.

E★STAR MINI BLASTER

E★STAR Mini Blaster is designed for operations in quarries, mines, tunnels, construction and demolition works. E★STAR Mini Blaster is designed for the easiest and fastest initiation of up to 4 E★STAR detonators.



E★STAR SEISMIC BLASTER

E★STAR Seismic Blaster is designed for seismic applications. By using E★STAR Seismic Blaster connected to common seismic shooting system for electric detonators it is possible to fire the E★STAR detonator by using same systems. E★STAR Seismic Blaster will automatically record serial number of detonator, serial number of Blasting Machine and date and time of firing.

E★STAR BLASTER / E★STAR REMOTE BLASTER

E★STAR Blaster (Black one) is designed for operations in quarries, mines, tunnels, construction and demolition works. E★STAR Blaster is designed for verification, charging and firing of all E★STAR detonators in all branches. By using E★STAR Blaster it is possible to archive data about fired detonators in PC. By using E★STAR Blaster it is possible to fire up to 1,600 E★STAR detonators at one time or, as the case may be, 3,200 E★STAR detonators using dual blasting mode. E★STAR Blaster exists in following language versions: default English + optional German and Spanish. With E★STAR Remote Blaster it is possible to use E★STAR Remote for distance firing.



AUSTIN POWDER

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E★STAR



E★STAR REMOTE

The E★STAR Remote system allows the blaster to control the blasting operation from a safe distance without using a long firing line to the Blasting Machine. The E★STAR Remote consists of a Remote Control Unit and a Remote Bridge Unit. The Remote Control and Remote Bridge Units communicate by radio signals. These units are paired by specific serial number.

ADAPTERS

Adapters are mechanical devices designed for easy and fast connection of the E★STAR detonator ended with connector to a requested device. Adapter model 1 is compatible with E★STAR Tester and E★STAR Logger. Adapter model 2 is compatible with E★STAR



OTHER MATERIAL

Main / Dual charger / Multi charger is designed for charging E★STAR Tester, E★STAR Logger, E★STAR Seismic Logger, E★STAR Blaster, E★STAR Remote Blaster and E★STAR Remote from mains power socket.

Car charger is designed for charging E★STAR Tester, E★STAR Logger, E★STAR Seismic Logger, E★STAR Blaster, E★STAR Remote Blaster and E★STAR Remote from a car socket.

Data transfer cable is designed for data transfer between E★STAR Logger and E★STAR Blaster.

Dual blasting cable is designed for synchronized blasting of two E★STAR Blaster.

USB data transfer cable is designed for data transfer between PC and Logger and E★STAR Blaster.

Trigger cable is designed for transferring high voltage firing pulse from common seismic shooting system to E★STAR Seismic Blaster.

Power cable serves a power supply of E★STAR Seismic Blaster from common seismic shooting systems.

RECOMMENDED SET FOR OPERATIONS IN QUARRIES, MINES, TUNNELS, CONSTRUCTION AND DEMOLITION WORKS

For operations in quarries, mines, tunnels, construction and demolition works the following set is recommended: 1 pc E★STAR Tester, 1 pc adapter model 1, 1 pc E★STAR Logger, 1 pc adapter model 2, 1 pc E★STAR Blaster or E★STAR Remote Blaster, 1 pc data transfer cable, 1 pc USB data transfer cable, 1 pc main charger, 1 pc car charger. It is good practice to have one set at the operation site and second set in close distance. For dual blasting it is necessary to have 1 pc E★STAR Blaster sync and either 2 pcs of E★STAR Blaster or 2 pcs of E★STAR Remote Blaster. For remote firing it is necessary to have 1 set of E★STAR Remote devices and 1 pc of E★STAR Remote Blaster.

RECOMMENDED SET FOR SEISMIC APPLICATIONS

For every charging group in seismic application the following set is recommended: 1 pc E★STAR Tester, 1 pc E★STAR Seismic Logger, 1 pc main charger, 1 pc car charger. For every firing group in seismic application following set is recommended: 1 pc E★STAR Tester, 1 pc E★STAR Seismic Blaster, 1 pc trigger cable, 1 pc power cable, 1 pc main charger, 1 pc car charger. For every project it is recommended to have 2 pcs USB data transfer cable for data archiving in PC.

OTHER INFORMATIONS

All the above described equipment is designed for use only with the E★STAR detonators.

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. Any specifications, test values and other data is solely preliminary information and not guaranteed. Actual results may differ during field use. Neither manufacturer nor seller will be responsible whatsoever for any losses or damages resulting from the use or reliance upon any information set forth herein.

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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