

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.



LM-2 TESTER

LM-2 tester is designed for fast and immediate check of the E★STAR detonator or, more specifically, quality of the detonator connection. By using LM-2 tester it is possible to detect and specify damage of the E★STAR detonator wire.

DLG1600-100 LOGGER

DLG1600-100 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 DLG1600-100 Logger it is also possible to check and specify damage of any wire in branch and archive data about programmed detonators in PC. DLG1600-100 Logger exists in following language versions: default English + optional German and Spanish.



DLG1600-100SG LOGGER

DLG1600-100SG Logger is designed for seismic applications. By using DLG1600-100 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.

DBM1 BLASTING MACHINE

DBM1 Blasting Machine is designed for operations in quarries, mines, tunnels, construction and demolition works. DBM1 Blasting Machine is designed for the easiest and fastest initiation of up to 4 E★STAR detonators.



DBM10-S BLASTING MACHINE

DBM10-S Blasting Machine is designed for seismic applications. By using DBM10-S Blasting Machine connected to common seismic shooting system for electric detonators it is possible to fire the E★STAR detonator by using same systems. Blasting Machine will automatically record serial number of detonator, serial number of Blasting Machine and date and time of firing.

DBM1600-2-K / DBM1600-2-RC BLASTING MACHINE

DBM1600-2-K Blasting Machine is designed for operations in quarries, mines, tunnels, construction and demolition works. DBM1600-2-K Blasting Machine is designed for verification, charging and firing of all E★STAR detonators in all branches. By using DBM1600-2-K Blasting Machine it is possible to archive data about fired detonators in PC. By using DBM1600-2-K Blasting Machine 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. DBM1600-2-K Blasting Machine exists in following language versions: default English + optional German and Spanish.

With DBM1600-2-RC is possible to use Wireless Remote Firing Device for distance firing.



AUSTIN POWDER

Austin Detonator s.r.o., Jasenice 712, 755 01 Vsetín, Czech Republic

Phone: +420 571 404 001 | Fax: +420 571 404 002 | Email: marketing.info@austin.cz | www.austin.cz

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WIRELESS REMOTE FIRING DEVICE

The WIRELESS REMOTE FIRING DEVICE (WRFD) system allows the blaster to control the blasting operation from a safe distance without using a long firing line to the Blasting Machine. The WRFD consists of a Remote Control Unit (WRFD-R-1) and a Remote Bridge Unit (WRDF-B-1). 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 LM-2 tester and DLG1600-100. Adapter model 2 is compatible with DLG1600-100 Logger.



OTHER MATERIAL

Main / Dual charger is designed for charging LM-2 tester, DLG1600-100 and DLG1600-100SG Loggers and DBM1600-2-K Blasting Machine from mains power socket.

Car charger is designed for charging LM-2 tester, DLG1600-100 and DLG1600-100SG Loggers and DBM1600-2-K Blasting Machine from a car socket.

Data transfer cable is designed for data transfer between Loggers and Blasting Machines.

Dual blasting cable is designed for synchronized blasting of two DBM1600-2-K Blasting Machines.

USB data transfer cable is designed for data transfer between PC and Loggers and Blasting Machines.

Trigger cable is designed for transferring high voltage firing pulse from common seismic shooting system to DBM10-S Blasting Machine.

Power cable serves a power supply of DBM10-S Blasting Machine 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 LM-2 tester, 1 pc adapter model 1, 1 pc DLG1600-100 Logger, 1 pc adapter model 2, 1 pc DBM1600-2-K or DBM1600-2-RC Blasting Machine, 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 2 pcs of DBM1600-2-K or DBM1600-2-RC Blasting Machines and 1 pc of dual blasting cable. For remote firing it is necessary to have 1 set of WRFD devices and 1 pc of DBM1600-2-RC Blasting Machine.

RECOMMENDED SET FOR SEISMIC APPLICATIONS

For every charging group in seismic application the following set is recommended: 1 pc LM-2 tester, 1 pc DLG1600-100SG Logger, 1 pc main charger, 1 pc car charger. For every firing group in seismic application following set is recommended: 1 pc LM-2 tester, 1 pc DBM10-S Blasting Machine, 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. 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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