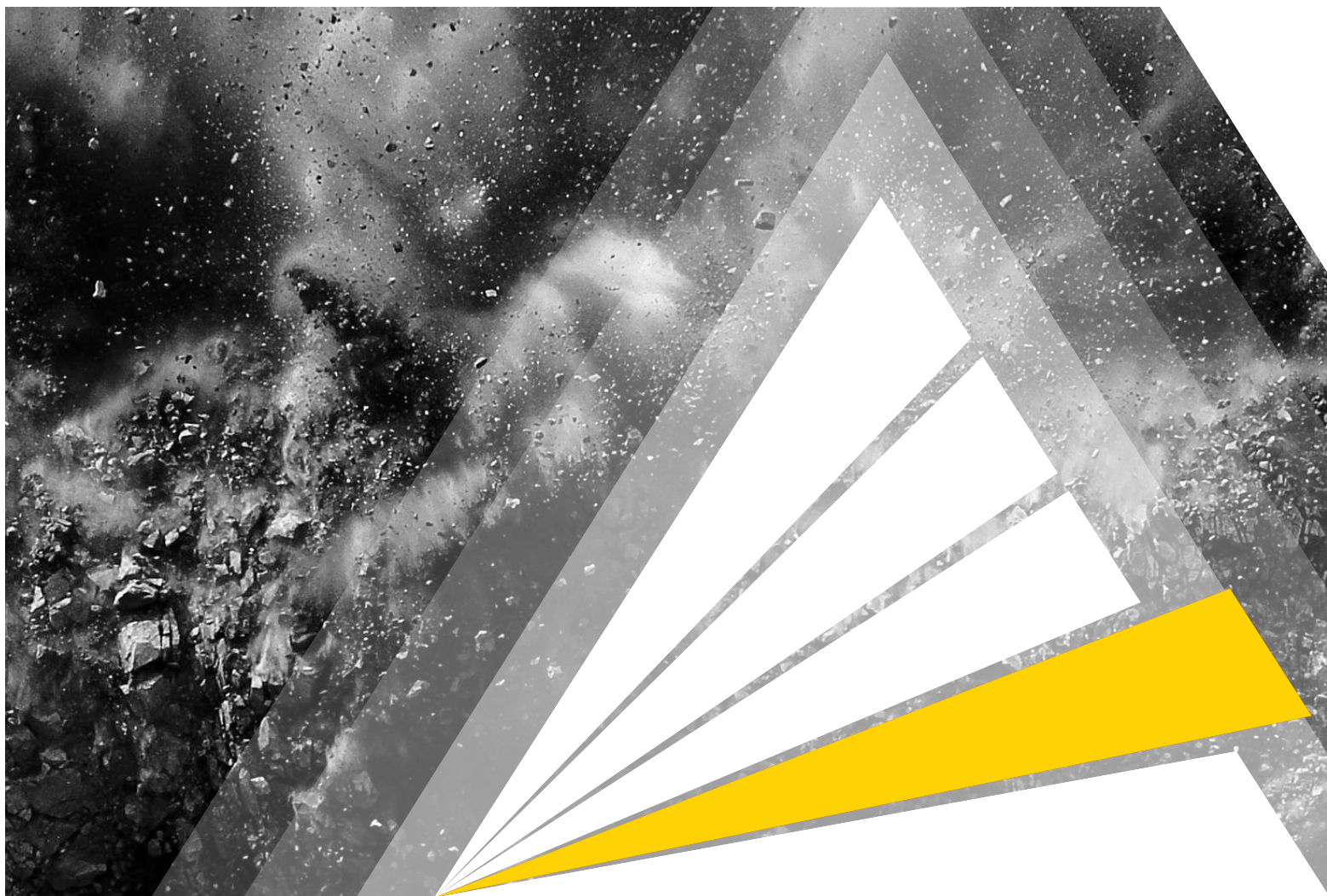Manufactured by:

Technology Products

Technical Data Sheets

11 March 2021

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Technology

AXXIS™

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1

AXXIS™ Blasting Box

Electronic detonators
Technology

Product features

The **AXXIS™ Blasting Box** can be used as a stand-alone unit with a blasting line connected directly to the detonators, or in a wireless configuration with two or more **AXXIS™ Blasting Boxes**.

Application
For a large blast, a total of 20 boxes can be linked together, for a total of up to 10 000 detonators.

Product specifications

Voltage

24 V rechargeable Li-ion batteries

Battery Life

15 hours × 500 detonator blasts. (Battery life dependent on the number of detonators in each blast.)

Operating Temperature Range

–20 °C to +60 °C (–4 °F to +140 °F)

User Interface

Black and white LCD screen with two buttons to navigate through menus

Communication Interface

USB port

Number of Detonators per Blasting Box

600 / link 500

Wireless Range between Boxes

1000 m to 5000 m (3280 ft to 16 400 ft) line of sight (depending on the country's frequency allocation)

Communication

Two-way communication between blasting box and detonators.

All detonators are interrogated before blasting time.

The blast can be fired using wireless communication between a remote blasting box and the blast.

Manufactured by:

bme

2

AXXIS™ Logger
Electronic detonators
Technology

Product features

The **AXXIS™ Logger** is a small, robust unit that is used to scan each detonator connector and allocate a delay period to that connector.

The unit has a touch-screen interface and a numeric keypad for entering detonator firing-time values and connector IDs (should this be necessary if a connector has been damaged).

The **AXXIS™ Logger** can be used by blasters to directly program delays, but it can also be used in conjunction with the **BLASTMAP™**.

Product specifications

Voltage
9 V Li-ion rechargeable battery

Battery Life
15 h continuous room-temperature operation

Battery Charging
4 h to 4.5 h to full charge

Operating Temperature Range
–30 °C to +60 °C (–22 °F to +140 °F)

User Interface
Touch screen and numeric keys

Communication Interface
USB port

Storage
–40 °C to +70 °C (–40 °F to +158 °F)

Logging Modes
Manual / increments / double prime / **BLASTMAP™** downloads

Shock
MIL-STD-810F, Method 503.4

Manufactured by:

3

AXXIS™ Smart Line Tester

Electronic detonators
Technology

Product features

The **AXXIS™ Smart Line Tester** is a small low-current device that is used to safely test a surface line, and the detonators connected to it, for leakage, current consumption, and functionality.

Product specifications

Safety Functions

Safely tests lines for leakage before blasting time.
Safely tests the functionality of the detonators.

Maximum Number of Detonators

The maximum number of detonators on a line that can be tested is 50.

The reason for this is that the leakage tester generates a very low-energy current for safety reasons.

Maximum Current Output

20 mA

Power Supply

Li-ion Batteries

Manufactured by:

bme

4 AXXIS™ Detonator

Electronic detonators
Technology

Product features

The **AXXIS™ Detonator** is a standard-sized detonator that functions in all standard-sized boosters that are used in non-electric blasting.

AXXIS™ Detonators use twin-core double-insulated downline cables.

Higher resistance to electrostatic discharge and high induced ground currents make the **AXXIS™ Detonator** safer to use in all mining conditions.

Safety Functions
AXXIS™ Detonators do not include any permanent energy source and there is no direct communication with the detonator during logging.

AXXIS™ Detonators will only function with **AXXIS™ Blasting Boxes**.

Special security PIN-codes are required to operate the system.

A dead man's switch disarms all detonators if the blast needs to be aborted at short notice.

Manufactured by:

Product specifications

Detonator Case

Magnesium aluminium alloy / copper alloy

Detonator Size

Fits any standard booster.

Cable Type

Twin-core copper cable, double insulated

Spool Description

Cable spooled in shrink-wrapped spools with detonator feed from center of spool for safety

Standard Lengths

10 m, 20 m, 30 m, 40 m, 50 m, 60 m, 70 m
33 ft, 66 ft, 98 ft, 131 ft, 164 ft, 197 ft, 230 ft
Other lengths are available on request.

Connector

Yellow pin-hinged two-way connector with intelligent electronic data capability

Firing Time Range

0 ms to 10 000 ms / 0 ms to 15 000 ms

Accuracy

0 ms to 5000 ms < 1 ms scatter

Operating Temperature

–20 °C to +60 °C (–4 °F to +140 °F)

Storage Temperature

–30 °C to +50 °C (–22 °F to +122 °F)

Shelf Life

At recommended storage temperature: 48 months