

AXXIS™ BLASTING BOX

Product description

The AXXIS™ Blasting Box is the unit from which all detonators on a blast are programmed and fired. 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 Blasting Boxes. A log file that cannot be tampered with is created for each blast that automatically uploads to the logger for future analysis if required.



Features

- **Voltage:** 24 volt rechargeable Lithium-ion batteries
- **Battery life:** 15 x 500 detonator blasts (battery life dependent on the number of detonators in each blast)
- **Operating temperature range:** -20 to +60 C
- **User interfaces:** Black and white LCD screen using two buttons to navigate through menus and fire a blast
- **Communications interface:** USB port, black and white LCD screen using two buttons to navigate through menus and fire a blast
- **Wireless range between boxes:** 5000 m line-of-site (Africa)
- **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.

Packing

Total detonators: 10 000

Number of detonators per Blasting Box: 600/link 500

Product risk profile

The product risk assessment addresses the hardware and software components and the levels of protection required to ensure that the Safety Integrity Level of the 'AXXIS™ Digital Initiation System' is such that the possibility of an unintended initiation of a blast, complies with at least SIL1: 10^{-6}

The design and development of the 'AXXIS™ Digital Initiation System' has been carried out in accordance with the prescribed requirements listed in SANS ARP 1717:2010. SANS 551:2009 Ed1 SANS 551: 2009 Ed1

Product classification

SANS1717 – 1&3 SANS551