

DESCRIPTION

The HDB-1 is capable of wirelessly connecting to other HDB-1s, providing a total system connection of 20 units. Each HDB-1 can fire up to 500 Electronic HydraDets (EHD-1). In the mesh configuration, the user will assign the Master title to one HDB-1, the remaining HDB-1s will be set as Slaves. The Master HDB-1 monitors the whole mesh which includes checking for blasting cable faults, detonator errors and the condition of each HDB-1. Once the POWER key switch has been switched to the ON position, the user can arm the HDB-1 by switching the FIRE key switch to the FIRE position. The HDB-1 cannot fire until both key switches are armed by the operator and the FIRE button is pressed.

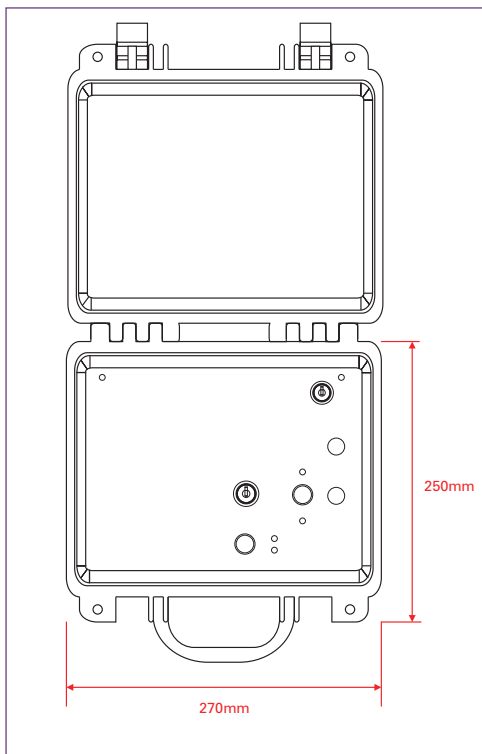


BENEFITS



- Monitoring via the HDL-1 GUI.
- Minimal wait time for blasting as all EHD-1s are programmed and charged prior to the FIRE Button being pressed.
- The EHD-1 can store the Detonator ID and delay indefinitely.
- The HDB-1 is designed for surface blasting and can be used in one of three states, namely, Stand-alone, Master and Slave.
- Increased safety due to unique POWER and CHARGE key switches. (Cannot use the same key for both key switches)
- The mesh cannot blast if there is no communication between the Master and Slave units.

TECHNICAL SPECIFICATIONS



SPECIFICATION	PROPERTIES
Function	The HDB-1 can wirelessly connect to other HDB-1s, creating a system total of 20 units. The system will detect, identify and blast up to 10000 EHD-1s at maximum system capacity.
GUI	Graphical user interface displaying the status and data of the entire HydraDet Surface Blasting System in real time, allowing for monitoring and fault identification.
Firing	Instant initiation as all programming and charging is completed prior to the FIRE button being pressed.
CHECK Button	Tests the blasting circuit and all connected EHD-1s for faults.
CHARGING Light	Latches on to indicate that the unit is setup on the charging station and is in fact charging.
Battery Life	Up to 12 hours of continuous use.
Dimensions	270mm x 250mm x 130mm.
Mass	1.85kg.
Temperature Range	-5°C to 45°C.