HDL-1
HYDRADET LOGGER

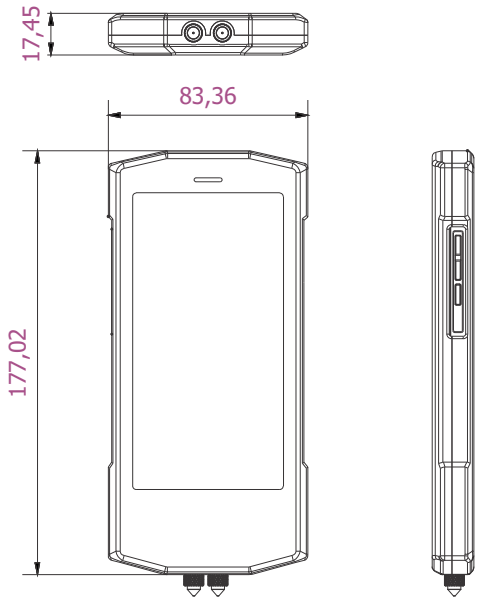
DESCRIPTION

The HDL-1 is a portable device that is used to read the Detonator ID and allocate delays to the EHD-1s. The delays can be fixed across all EHD-1s or individually allocated depending on the requirements of the user. The Detonator ID and delay information can then be transmitted via Bluetooth from the HDL-1 to the HDB-1 that the EHD-1s will be connected to. The HDB-1 will then confirm the provided delays with the EHD-1s as they are connected to the blasting cable.

BENEFITS

- Reading the Detonator Identification (Detonator IDs) and Configuration of EHD-1s using the communication jack on the back panel.
- Sending of blasting files, via Bluetooth. The blasting files will contain Detonator IDs and delays of the EHD-1s identified and listed using the HDL-1.
- Feedback of pre-blast and post-blast information to aid in decision making.
- Self-configuring: minimal setup required.
- Low HydraDet Communication voltage (Intrinsically safe).

TECHNICAL SPECIFICATIONS



SPECIFICATION	PROPERTIES
Function	The HDL-1 can connect; via Bluetooth; to 1 HDB-1 at any one time. This HDB-1 will be known as a Stand-alone unit or Master when referring to a cluster blast.
APP	Android based application for graphical configuration and display of status and data of the HydraDet Blasting Network.
Create File	The HDL-1 will be used to create the appropriate blasting files, consisting of the enlisted EHD-1s Detonator ID and delay.
Edit File	The user may edit said file using the HDL-1. Editing may vary from the changing of delays to the complete file deletion.
Upload File	Using the HDL-1, the user can connect via Bluetooth to any one HDB-1. Once paired, the user may transmit a selected blasting file to the HDB-1 where the HDB-1 will store all required information into memory.
Help	Should the user misunderstand the HDL-1 or not know where to go from here, the Help menu situated on the home screen of the GUI will provide assistance in the form of 2-page documents which the user can read through to help understand which steps to follow next.
Construction	Encapsulated circuitry in an IP67 enclosure.
Dimensions	145mm x 78mm x 18mm.
Mass	0.3kg.
Temperature Range	-5˚C to 45˚C.