The Detection Dog Training System (DDTS)

A new standard for scent conditioning of detection dogs

- Fast scent conditioning and scent differentiation
- Fast conditioning of a indication behavior
- Fast, efficient training of many dogs in a short time
- Fully automated training system
- Flexible design for different training goals and reward options
- Minimal human intervention and therefore high validity
- Maximum standardization and reproducibility
- Direct data collection for training and test protocols
- Wide range of parameters for data collection

The DDTS designed and produced by us is an electronic construction for dog training in the fields of odour conditioning, odour differentiation and odour indication.

It can be used for the training on various odorous substances from the service sector such as explosives and drugs, the medical sector such as bacteria or viruses, but also for training on protected animals.

The DDTS enables structured training and research without the influence of the dog handler. The dog can work on the odorous substances without the human factor influencing the result. This is a major source of error in conventional training methods, which is greatly minimised by DDTS.

At the front of the basic device there are seven holes where the dog can carry out the search. With a sledge, self-contained olfactory units with the olfactory substances are driven under the odour holes. When the correct indication is performed, the reward is ejected. While the dog picks up the reward, another scent hole is automatically activated.

The DDTS basic unit works with an automatic feed ejection. A reward with the ball is also possible via an additional device. A further additional device for training on live animals is also available.

The DDTS is controlled via a tablet supplied with the software DDTS-Client. The software is easy and accurate to use. Personal profiles can be created and data can be easily analysed. The data can be exported from the tablet into a CSV file, transferred to a mobile device and evaluated by spreadsheet programs such as Excel, Sheet or OpenOffice.

The DDTS has been successfully used in the conditioning of dogs to detect SARS CoV 2 infections in humans.