



WatchGas Application Note OED

How to catch a drugs smuggler!

Around the world, customs and other security forces are in a constant battle against smugglers. The smugglers, in turn, are always inventing new ways to import drugs and other contrabands. This ongoing battle is a technology race as well. WatchGas offers a unique solution to help protect K-9 dogs and improve the efficiency.

WatchGas OED - Odour Extraction Device allows enforcers to use their limited time as efficiently as possible.

From the first use of sniffer K-9 dogs, they have been at the forefront of the war against contraband, especially drugs. These highly trained K-9 dogs can detect drugs inside a container. However, this container first has to be selected, separated, quarantined, de-gassed, and what else before the K-9 dog can enter. This is a costly process. With the OED, the containers can remain in place, shortening the time it takes to measure one container. Shorter is an understatement; an article published by a local Dutch newspaper had the following headline:

'Drug K-9 dog Leentje checks 10 containers in 10 seconds with help from the OED Sample kit.'

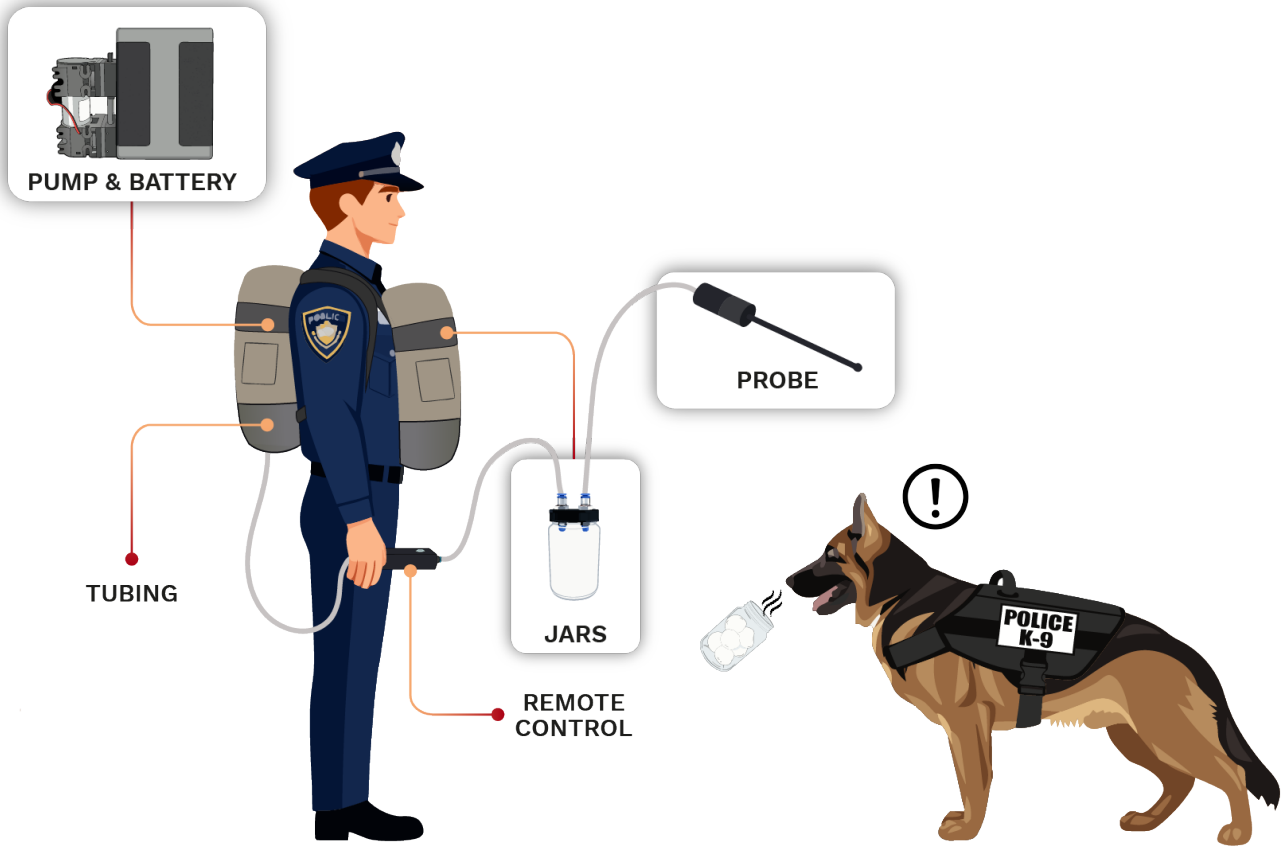
But how do they achieve this? How can they work this fast? The process is fairly simple. The WatchGas OED contains the following items placed in two high-quality backpacks.

One bag contains the pump, the other contains six jars with sterile cotton wool. With the use of a metal pipe, which is inserted in the container through the rubbers between the steel doors, a sample line is inserted. This sampling line is connected to a jar with sterile cotton wool. The pump will 'extract' the air from the container through the wool. The odour of the inside of the container will get attached to the wool. Drugs and other odours are sticky compounds and will stick to the cotton wool.

WatchGas can advise the enforcers how to avoid any toxic (Fumigant) gases in the jars.

After all used jars have been filled and labelled, the air in these jars represents the air in the containers. Each jar is a container. These jars are presented to the K-9 dog. Next to the container jars, a few jars will be kept sterile to be used as a reference.

With OED, containers can stay on board, don't have to be separated, don't have to be quarantined. Saving the enforcers a logistical nightmare, enhancing efficiency and multiplying the number of containers that can be checked.



Specifications

Specification	Details
Size remote	145×63×33 mm
Backpack size	300×470×150 mm
Weight	5300 g
Battery	12 V 16 Ah 192 Wh
Measurement	Pump
Housing	Nylon PA12 (Remote)
IP-rating	IP41
Temperature	5–40 °Celsius
Standby time	3 weeks
Operation time	6 hours (with pump on)