





## **Newest Generation Human Detector**

- High performance Detection
- Easy to use
- Efficient

Proudly made in Europe

The **MDS** system has been developed to detect hidden human beings in vehicles and/or in their load. It detects any movement generated by a hidden human being. The MDS collects the movements with seismic sensors and analyses the data using an advanced signal processing algorithm.

The control is carried out by special sensors, which are placed on the vehicle and which transmit the measured data to the MDS main unit. The collection and evaluation of the data requires about 30 seconds. For a complete check, it usually takes less than 2 minutes - including handling (placing and removing) of the sensors.

Lorries are mostly sealed, which makes it very difficult to check their cargo. Because of legal reasons, the authorities are not allowed to open up a sealing if the lorry driver's documents are complete. Besides the fact that it is legally not permitted, the process of opening up a sealing would be very time consuming. This way, it is possible for hidden stowaways or illegal immigrants to enter a country without getting noticed. Other methods, such as  $CO_2$  tests or X-rays, are not always suitable or can be easily bypassed.

With our simple method called MDS or "*the newest generation human detector* ", any type of lorry can be inspected for hidden stowaways with an almost 100% precision. This makes it possible to control lorries in ports and border-crossings, or just along the road. With this system, illegal immigrants can be detected and smugglers deprived of their most important supply route.

## **Typical applications:**

The MDS Mobile is already connected with the individual components. It is immediately usable. With its attractive size, it fits in a mini bus without any problems. The Mobile version is particularly suitable for missions where speed is needed:

- ports
- border-crossings
- critical compounds



## **Technical Specification**

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Dimensions		Computer
<b>Size</b> 705 x 455 x 515 mm (L x W x H)		Laptop
Weight		MIL-SPEC, ruggedized, sunlight readable, outdoor usable, works in all weathers
Weight	ca. 40 kg	Software
Figures		- Actual Software Version 5-3f
Voltage support: 110 VAC	-240 V / 50Hz	- Windows 7 or newer
Operating temperature:-15°C to 60°CStorage temperature:-25 °C to 60 °C		Language support
		available in many languages
Relative humidity: 5 to 90 % non-condensing		Special operation possibilities
Wind speed:	35 km/h	1 checkup
Ground vibration:	0.4 m/s	using all 4 sensors to measure trailers,
Sensors		heavy trucks or coaches, all with 2, 3 or 4 axis
4x magnetic sensors		2 checkups at the same time
1x ground sensor		using 2 sensors for each vehicle (light trucks or
1x low-frequency microphone		vans) <b>4 checkups</b> at the same time
Cables 4 pcs of cable reels, 14m each		using 1 sensor for each vehicle (cars)

145mm 145mm 145mm 515mm 515mm

\*\* MDS Mobile \*\*