MDS PORTABLE

HUMAN MOVEMENT DETECTION SYSTEM

s4h
Science for Humanity

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 portable MDS fits in any car without any problems. The single components are quickly connected. For this small suitcase, the place of action is simply anywhere:

- ports
- border-crossings
- critical compounds

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Technical Specification

Dimensions

Size	560 x 455 x 265 mm (L x W x H)

Weight

Weight	ca. 19 kg

Figures

Voltage support:	110 VAC -240 V / 50Hz
Operating temperature:	-15°C to 60°C
Storage temperature:	-25 °C to 60 °C
Relative humidity:	5 to 90 % non-condensing
Wind speed:	35 km/h
Ground vibration:	0.4 m/s

Sensors

4x magnetic sensors

1x ground sensor

1x low-frequency microphone

Cables (optional)

4 pcs of cable reels, 14m each

Computer

Laptop

MIL-SPEC, ruggedized, sunlight readable, outdoor usable, works in all weathers

Software

- Actual Software Version 5-3f
- Windows 7 or newer

Language support

available in many languages

Special operation possibilities

1 checkup

using all 4 sensors to measure trailers,

heavy trucks or coaches, all with 2, 3 or 4 axis

2 checkups at the same time

using 2 sensors for each vehicle (light trucks or vans)

4 checkups at the same time

using 1 sensor for each vehicle (cars)