MDS PORTABLE
Human presence detection system

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MDS PORTABLE

Movement detection system (MDS) is a unique detection system of hidden persons in a vehicle. MDS detects even low signals such as heartbeat. It uses a passive, non-invasive measurement method that has no side effects for the human organism or nearby devices.

Extremely fast detection time
The measurement procedure takes approx. 30 seconds. The total vehicle inspection usually does not exceed 2 minutes, including sensors application and removing.

High detection efficiency
MDS detection efficiency is almost 100%. Thanks to the measurement method based on the detection of ultra-low vibration signals, the MDS can not be deceived as in other systems using eg. CO_2 concentration measurement or X-rays.

Single person management
Only one person can transport and operate MDS Portable easily. The entire device weighs only 19kg. Unlike MDS Mobile, all sensors must be connected before the measurement.

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
4 x magnetic sensors
1 x ground sensor
1 x low-frequency microphone

Cables
4 pcs of cable, 15m each, no reel

Computer

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

Software
- Current Software Version: MDS III pro 8.0
- Windows 10 or newer

Language support
EN, DE, ES, IT, FR, PL, CZ

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)
3 checkups at the same time using 1 sensor for each vehicle (cars)