MDS MOBILE

Human presence detection system

Ports | Border-crossings | Customs | Power plants | Airports

MDS MOBILE

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.

Easy transportation and immediate operation

The mobile version of MDS is easy to transport and thanks to connected sensors is always ready for the measurement procedure.

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Technical Specification

Dimensions

Size	705 x 455 x 515 mm (L x W x H)

Weight

Weight	ca 40 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 reels, 15,5m each

Computer

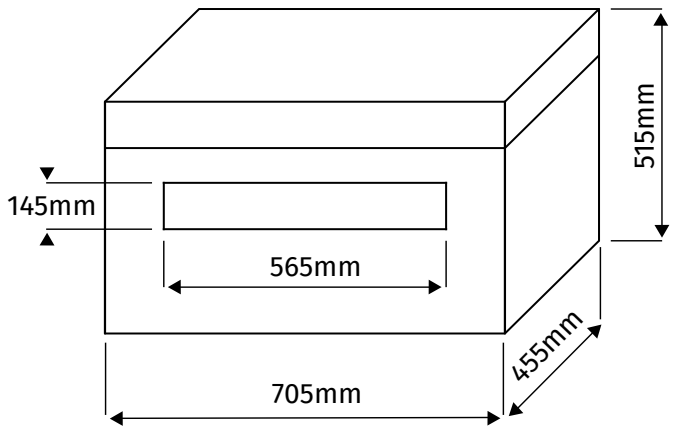
Laptop
MIL-SPEC, ruggedized, sunlight readable, outdoor usable, works in all weather

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)



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