



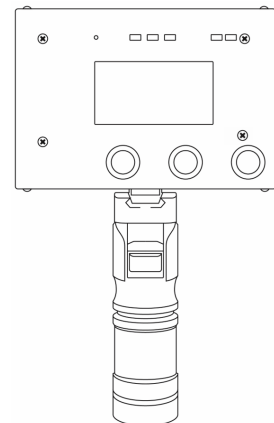
GRANT DETECTION

Miniature Mobile Detector

MMD01

1 Features overview

- The MMD01 handheld detector is a portable detector of living organisms (humans and animals) in vehicles.
- The MMD01 handheld detector is mainly intended for national (army, police, customs administration, prison service) and private security forces and logistics companies.
- The MMD01 handheld detector is created to inspect cars and trucks, including containers placed on the vehicles.
- The MMD01 handheld detector uses the principle of heartbeat detection.
- The MMD01 handheld detector can be operated by one person.
- The MMD01 handheld detector is easy to operate and measures quickly (within 30 seconds).
- The MMD01 handheld detector is mobile and can therefore be part of the equipment of any checkpoint or car patrol.
- The MMD01 handheld detector can be used 24/7, as it can be powered by either a standard 230 V outlet or a car socket.
- The MMD01 handheld detector has no negative impact on the environment when in use and does not affect human health.



2 Description of the MMD01 handheld detector

The MMD01 handheld detector is appropriate for use by national security forces (customs administration, army, police, prison service), as well as private security agencies and logistics companies that need to prevent the illegal movement of people and animals, especially in international transportation.

The MMD01 handheld detector uses the principle of detecting low mechanical vibrations caused by hemodynamics, without using potentially harmful electromagnetic radiation. The MMD01 handheld detector functions reliably on vehicles where this mechanical vibration is transmitted to the structure. In exceptional cases, such transmission may not occur sufficiently in vehicles of special construction.

The MMD01 handheld detector can be used to verify the presence of people or animals hidden in vehicles without the need to physically open the vehicle.

The MMD01 handheld detector uses one internal sensor and contains no other external components. The device uses advanced algorithms to filter disruptive meteorological and environmental conditions (software filtering and metering averaging). The internal sensor signal, obtained before and during the measurement, is used to filter out interference so that there is no need to connect an environmental sensor.

3 Technical specification

Parameter	Unit	Value
Device dimensions	cm	14 × 22.5 × 5
Portable container dimensions	cm	27 × 25 × 12.4
Device weight	g	1 300
Weight with portable container	g	2 500
Mean time per measurement	s	20
Input voltage	V	230
Operational temperature range	°C	−20 to 50
Battery life	hours	8 to 12
IP Protection	—	min. IP33