

MO-2M

PORTABLE EXPLOSIVE VAPOR DETECTOR

APPLICATIONS

The **MO-2M** is a hand held explosive vapor detector designed for the inspection of :

- hand luggage,
- luggage and loads transported by all means,
- letters and parcels,
- clothes,
- buildings, offices, public areas,
- furniture, vehicles, ...

When fitted with the TVIN accessory (included in the set), it also operates as explosive traces detector.

OPERATING PRINCIPLE

Non Linear Dependence of ion Mobility in an electric field (NLDM)

Cold start time : no
Calibration time : less than 10 seconds
Response time : 2 seconds

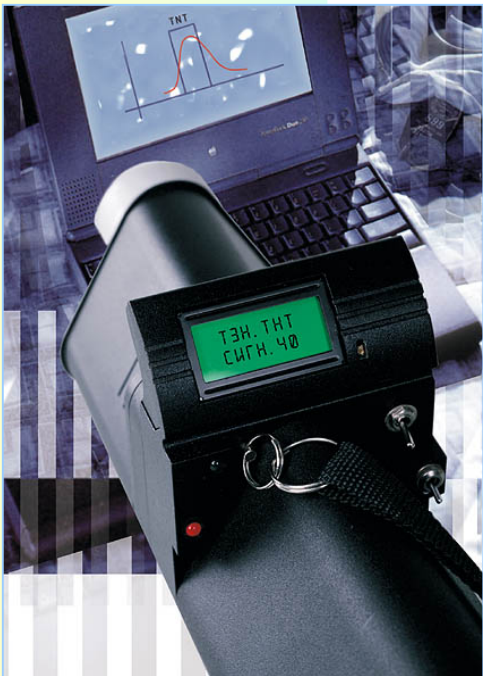
PERFORMANCES

Detected substances:

explosives : TNT, NG, PETN, RDX, TATP and by products such as C4, Semtex, Dynamite,

plotters : EGDN, DMNB

Sensibility : in vapor mode : 10^{-13} g/cm³ for TNT (0.01 ppb)
in traces mode : 50 pg.



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MO-2M
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ADVANTAGES

- Fully automatic real time hand held detector,
- Ready to operate in less than 10 seconds after automatic calibration,
- Constant adjustment of operating conditions in line with the changes in the atmosphere,
- Connection to a desktop or notebook PC (blue tooth),
- Specially designed easy to use software,
- No gas required, no filters, no additional products
- No special training required.

MAIN FEATURES

BULKINESS

Portable unit dimensions	300 x 82 x 110mm
Portable unit weight	1.3 kg
Weight of the complete set in its transportation case	8.00 kg
Case dimensions	465 x 335 x 135mm

POWER SUPPLY

Rechargeable NiMH 12 V. battery, or mains (90/240 V - 50/60 Hz)
 Operating time of the battery before recharging : 5.5 hours
 The battery charger and the AC adapter are supplied with the complete set.



OPERATING CONDITIONS

Temperature (vapor detection mode)	+ 10 to + 45 °C
Temperature (Traces detection mode, using the TVIN)	- 10 to + 45 °C
Storage temperature	- 30 to + 50 °C