



RF Signal Protection and Audio Detection Specification Sheet

Counter-surveillance instruments for phones, recorders and mechanical timer devices.

Models in this sheet: VT-808 Electronic Audio Detector, VT-818 Cell Phone and Non-Linear Junction Detector

Figures in this document are those published by the factory for each model. Where a value is shown as TBC it is not published, and we confirm it with the factory before order rather than estimate it. Specifications are subject to change without notice.

Dongguan Viboo — Dongguan, China
bill@mdetection.com · WhatsApp +86 186 6406 6083 · Skype patrickwang6
<https://www.metaldetectore.com>

1. VT-808 Electronic Audio Detector

The VT-808 listens for mechanical movement inside a sealed package. Using RF audio detection it picks up a mechanical watch through 100 mm of polyethylene foam plus 200 mm of A4 paper, which is the kind of concealment a visual or metal check will not resolve. Remote listening lets the detector be carried to the package by a drone or robot rather than by a person.

Key benefits

- Detects electronic and mechanical timer devices inside packaging
- Remote distortion-free listening when paired with a drone or robot
- Mechanical watch detected at 2.5 m or more
- Up to 20 hours of operation from low power consumption
- IP65 rated for field use

Specification

Working Voltage	3.7 V
Antenna Polarisation	Circular
Display	LCD
Noise-Cancelling Headphones	-20 dB(A) or better
Remote Listening	Supported
Battery Operating Time	lithium battery, 10 hours or more at maximum power consumption
Standby	up to 20 hours
Protection Level	IP65
Detection Distance, Mechanical Watch	2.5 m or more
Detection Distance, Alarm Clock / Electronic Timer / Digital Timer	0.5 m or more
Penetration	100 mm polyethylene foam plus 200 mm A4 paper (70 g)
Product Size	209 x 132 x 154 mm
Outer Case Size	410 x 290 x 268 mm
Product Weight	0.96 kg
Operating Temperature	-30°C to 55°C
Operating Humidity	not more than 93%, no condensation

2. VT-818 Cell Phone and Non-Linear Junction Detector

The VT-818 separates three things that other detectors lump together: cell phones, semiconductor junctions and metal oxide junctions. It pairs non-linear junction detection with a spectrum signal unit, and offers two modes, so a trained operator can read spectrum, waterfall and peak curve diagrams while a lightly trained one gets an automatic classification instead.

Key benefits

- Identifies cell phones, semiconductor junctions and metal oxide junctions separately
- Professional Mode gives spectrum, waterfall and peak curve diagrams
- General Mode classifies automatically for less experienced operators
- Detects cell phone signals at up to 0.5 metres
- Adjustable transmission power for different environments

Specification

Detection Types	Cell phones, semiconductor junctions, metal oxide junctions
-----------------	---

Detection Modes	General and Professional
Analysis Views	Spectrum, waterfall and peak curve diagrams
Cell Phone Detection Range	up to 0.5 m
Sensitivity	Adjustable transmission power
Operating Time	approximately 4 hours
Operating Temperature	-30°C to 55°C
Storage Temperature	-40°C to 70°C