

LOCKHART MAGNETOMETER

Technical Surveillance Counter Measures (TSCM) are in wide use in both Government and corporate sectors.

By utilizing their experience of attacking covertly & working closely with TSCM teams, KSL developed Lockhart TSCM, the heart of their TSCM equipment.

KSL's innovative Lockhart kit offers a complete TSCM sweep capability with a user-friendly interface that minimizes training time.

PRECISION DETECTION BEYOND RF

Standard RF-based detection tools were never designed to defeat modern, shielded surveillance devices.

Shielded enclosures, low-power standby OFF modes, and suppressed RF emissions mean traditional detection methods can fall short. The Lockhart Magnetometer closes this gap - detecting the weak magnetic fields all powered electronics emit, even when switched off.



LOCKHART MAGNETOMETER

The Lockhart Magnetometer fills a critical gap in TSCM operations by detecting concealed electronics designed to evade traditional RF-based methods.

Unlike standard detectors, it senses the weak magnetic fields emitted by electronic circuits - even when devices are in standby or powered down. With a sensitivity of 12 picotesla and a minimum signal detection of just 10µs, it can reveal hidden threats that incorporate internal timers and oscillators, for example, even through metal shielding.

Handheld and highly portable, the device provides both audible and visual feedback, displaying signals on a scrolling amplitude/time graph and through headphones for precise localization. Its interface mirrors the rest of the Lockhart TSCM suite, making it easy to integrate into existing workflows. Powered by AA batteries and equipped with a backlit LCD, the Magnetometer is field-ready and reliable in any environment.

Built for professionals who demand more from their sweep capabilities, the Lockhart Magnetometer delivers a decisive edge against today's evolving surveillance threats.

HOW IT WORKS

Unlike RF detectors, the Lockhart Magnetometer detects the very weak alternating magnetic fields generated by powered electronic circuits - even when devices are in Standby-Off state.

1. Penetrates metal casings, screens and enclosures
2. Locates concealed electronics in standby (deep sleep)
3. Provides both visual and audible confirmation



PORTABLE AND INTUITIVE

- Portable and Intuitive
- Lightweight, handheld design
 - Battery operation
 - Backlit LCD display
 - Shared menu architecture with Lockhart TSCM systems



TECHNICAL SPECIFICATIONS

Sensitivity	12 pT (unassessed)
Min signal duration	10 µs
Headphone output	3.5mm female jack socket, 3V pk-pk, 20ohm, 100Hz-10kHz nominal
Dimensions (W x H x D)	3.6 In x 11.5 In x 1.1 In
Weight	0.9 Lbs (incl. batteries)
Operating temperature	14 to 122°F
Environmental	IP52
Power	2 x AA alkaline batteries

ABOUT KSL

Komcept Solutions Ltd was founded in 2001 and is operated by people who have vast experience working within Government, telecommunications and security industries.

With continuous curiosity, innovation and manufacturing expertise, we develop the highest quality of bespoke intelligence-gathering systems, TSCM equipment and training.

Their business is founded on security, integrity and environmentally responsible operations, supporting clients across the globe.

READY TO EXTEND YOUR CAPABILITY?

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THREAT MITIGATION

DESIGN & INSTALLATION

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Extending TSCM Capability Beyond Conventional Detection