



LOCKHART

TSCM COLLECTION

The Lockhart TSCM Kit Is A Defensive Measure Against the Very Real Threat of Electronic Eavesdropping in the Government and Corporate Sectors.



LOCKHART TSCM COLLECTION

A portable TSCM Kit with the sweeping devices needed to search rooms prior to meetings or as a permanent monitor of a room to detect surreptitious devices brought into a room following a professional TSCM sweep.



The Innovative Lockhart Kit Provides A Complete Technical Surveillance Countermeasures (TSCM) Sweep Capability With a User-Friendly Interface that Minimizes Training Time and Maximizes Efficiency.

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RF

A broadband signal detector which displays its signals in both amplitude and the time domain, offering an entirely new method of detection and analysis.

Based around a state-of-the-art logarithmic amplifier it is especially useful for detecting and identifying pulsed signals. And, the internal analysis software will identify Time Domain Multiple Access signals in real time.

This enables GSM transmissions, very commonly used for cheap, quick plant eavesdropping devices, to be identified and located rapidly, as well as identifying Bluetooth and WiFi, Dect and other digital transmissions.

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CONDUCTED

Detects high frequency signals on infrastructure wiring, providing an easy to use capability for scanning mains and data cabling to identify unwanted or hostile signals.

It comprises a broadband detector with a frequency response exceeding well beyond 10MHz enabling detection of signals which cannot be detected with broadband field-strength meters. The detector will display its signals both in time and frequency domain using a split screen.

With a DSP based Fast Fourier Transform Spectrum Analyzer it has a dynamic range of 80dB and sees clearly even the smallest carrier signals. The time domain display clearly shows the pulsed signals which the spectrum analyzer may find difficult to see.

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OPTICAL

Detection of optical emissions which may contain intelligence is straightforward using the new Lockhart optical detector.

Based around state-of-the-art InGaAs and silicon sensors, the detector will capture emissions up to $1.7\mu\text{m}$ - well above the capability of silicon sensors alone.

Visible light and near-IR signals are detected by conventional silicon sensors to give coverage of all likely emitting sources.

The signals are displayed in a unique rolling time domain format coupled with a spectrum analyzer which will give a clear indication of any modulation content of the signals.

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SURFACE SCANNER

Assists the physical search by providing a visual means to identify plaster rework and pinholes. Using high brightness, low power LED technology, the ergonomically designed scanner makes detailed surface searching effortless.



KEY FEATURES

- Complete egress kit
- Wide frequency coverage
- Simple to operate
- Audio outputs for source differentiation
- Time-based display—will catch short duration digital signals
- Short training time



COMPLETE COLLECTION

- Lockhart RF
- Lockhart Conducted
- Lockhart Optical
- Surface Scanner
- UV torch and Pen
- 12 x AA Batteries
- 3 x Antennas for Lockhart RF
- 3 x Attenuators for Lockhart RF
- Mains, rj45, telephone cables
- Headphones

Note: RF, Conducted, Optical & Surface Scanner also sold separately.

CASES

The complete kit comes as standard in a black case.

Also available in the following colors: 

TECHNICAL SPECIFICATIONS

LOCKHART RF

Usable frequency range	Min 1 MHz		Max 7 GHz
Minimum displayed signal level	Min -70 dBm	Typ -65 dBm	Max -60 dBm
Maximum displayed signal level	Min -13 dBm	Typ -8 dBm	Max -3 dBm
Minimum signal duration for full sensitivity		Typ 10 µs	
RF detector video bandwidth		Typ 4 MHz	
Operating temperature (excluding batteries)	Min +14°F		Max +122°F
Battery life	Min 40hrs (operating)	Typ 40hrs	Max 5yrs (standby)

LOCKHART RF CONDUCTED

Measurement module

Broadband detector (lowpass)	Frequency range	Amplitude range	Response time
Broadband detector (highpass)	10 kHz - 4 MHz	10 mV - 1 V	1 ms
Spectrum analyzer (narrowband carrier)	4 MHz - >10 MHz	10 mV - 1 V	1 ms
	30 KHz - 3.9 MHz	1 mV - 1 V	100 ms

CAT5 Port

Broadband detector (lowpass)	2 kHz - 4 MHz	10 mV - 1 V	1 ms
Broadband detector (highpass)	4 MHz - >10 MHz	10 mV - 1 V	1 ms
Spectrum analyzer (narrowband carrier)	30 KHz - 3.9 MHz	1 mV - 1 V	100 ms

LOCKHART OPTICAL

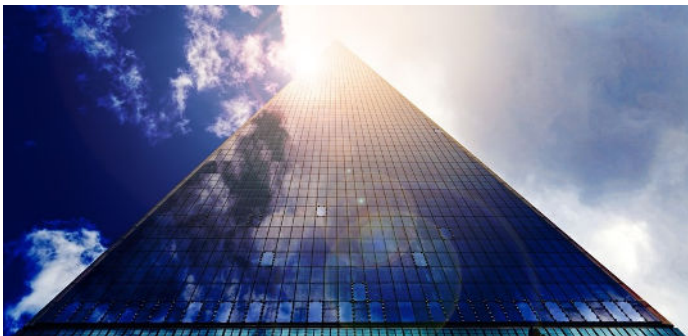
Detectable wavelengths - near IR	Min 780 nm	Max 1030 nm
- visible + IR	Min 560 nm	Max 1040 nm
- mid IR	Min 930 nm	Max 1680 nm
Spectrum analyzer bandwidth	4 MHz	
Operating temperature (excluding batteries)	Min +14°F	Max +122°F

LOCKHART SURFACE SCANNER

Operating temperature (excluding batteries)	Min +14°F	Max +122°F
Battery life (Energizer Eg1)	150hrs (dimmed)	9hrs (brightest)
Illumination distance	Min 0.79 Inch min	Max 78.7 Inch min

The Lockhart TSCM Kit is supplied in a compact rugged case.

Devices are powered using standard AA batteries, which are available all around the world.



Through their vast experience with detecting covert attacks and by working closely with Government technical countermeasures teams, Komcept Solutions Ltd. developed Lockhart, the heart of their technical surveillance countermeasures equipment solutions.

Manufactured in the UK.



SALES CONTACT

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