



TSE 7511
Detection Receiver

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DESCRIPTION

The Broadband-Receiver is a multifunctional measurement system designed to detect and locate all major types of electronic surveillance devices including room, phone, body bugs, video transmitters, and tape recorders. The TSE 7511 sweep kit includes a custom-friendly corduroy case that contains all items necessary to conduct a professional sweep.

USAGE

The TSE 7511 is very effective for rapidly detecting and locating transmitted signals. While being very easy to learn to use this measurement system provides a very important cost-effective tool for professional Sweep Teams, government security personnel and private citizens with important security needs.



FEATURES

MULTI-FUNCTIONAL UTILITY:

Comes with probes to detect RF transmitters (audio and video), carrier current transmitters, and telephone bugs. Probes also available to detect for infrared transmitters, tape recorders and acoustic leakage.

WIDEBAND COVERAGE:

From 200Hz to over 3GHz with no holes or gaps.

MONITOR MODE:

After a sweep, the alarm monitors (silent or audible alert) guard against new devices brought in or remote control activation of surveillance devices.

AUXILIARY AUDIO INPUT:

Allows user to listen to telephones, or lines for a "hot mikes" hook switch by-pass, and "infinity" bugs. Unknown wires and cables can be tested for wired microphones.

TECHNICAL DATA

RF-measurements with the RF-Probe:		
Gain:	20 dB nominal frequency	
Response:	50 kHz – 2 GHz with +/- 3 dB	
	2 GHz – 3 GHz with – 10 dB	
Sensitivity:	-62 dBm / Bar-Segment	
VLF-measurements with the VLF-Probe:		
Frequency Response:	15 kHz – 1 MHz with - 3 dB	
Max. input voltage:	300 V AC, 50 / 60 Hz	
Isolation:	bis 1500 V AC, 60 Hz	
Sensitivity:	-38 dBm / Bar-Segment	
NF-measurements with the audio-input:		
Input Impedance: Input Range:	50 kOhm balanced 1.7x10 ⁻⁶ V– 10 V (135 dB) AGC	
Dynamic Range, Gain high:	100 dB	
Dynamic Range, Gain low:	100 dB	
Frequency Response:	100 Hz – 15 kHz with +/-3 dB	
	500Hz-24dB / octave	
	2.5kHz-18dB / octave	
CPM-700 (Display):		
18 Segment Barograph with pulsing single segment trip point		
50dB dynamic range (1 segment High Gain to MAX Low Gain)		
Alert-signaling:	Outputs:	
Pulsing signal tone at 2.8 kHz	headphones:	5Vp-p 220 Ohm
silent red flashing LED at 2 Hz	record:	25 mVp-p nom.
	Size in inch	Weight
CPM-700 (main device)	9.1/8 x 6.1/8 x 1.3/4	39 oz.
Codura-Case with Acc.	16.3/8 x 11.1/4 x 3	7 lbs
Battery-power:		
8 ea. MN1500 AA Alkaline - Life 10-16 hrs		
(Optional) 8 ea. 550mAh NiCad - life 3-5 hrs per charge		
Low Battery Indicator: approx. 10% remaining power		
AC adapter / charger:		
Input:	95-130VAC 50-60Hz, or 200-275VAC 50-60Hz	
Output:	12VDC with 500mA NiCad	
	Recharge Time: 8-10 hrs	



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