



CPM-700

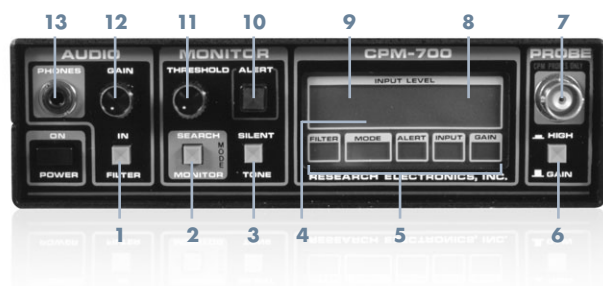
COUNTERSURVEILLANCE PROBE/MONITOR

Detect and locate major types of electronic surveillance devices such as room, phone, and body bugs. The CPM-700 responds to RF transmitters, magnetic recorders, carrier current transmitters, infrared transmitters, and acoustic leakage.

CPM-700 Features

- Portable Sweep Kit - fits inside a standard briefcase.
- Multi-Functional Utility - Comes with probes to detect RF transmitters (audio and video), carrier current transmitters, and telephone bugs. Probes are also available to detect infrared transmitters, tape recorders, and acoustic leakage.
- Wideband Coverage - full spectrum from 200Hz to over 3GHz, including infrared.
- Auxiliary Audio Input - allows user to listen to telephones or lines for "hotmikes," hookswitch bypass and "infinity" bugs. Unknown wires and cables can be tested for wired microphones.

Interface Diagram



1. FILTER

Audio filter used to accentuate voice frequencies and remove noise.

2. MODE

Sets the unit to Search or Monitor function. Search is for performing a sweep with the audio Automatic Gain Control engaged, the Monitor Mode sets the Alarm and Record output to detect an intrusion.

3. ALERT

Selects either audible Tone beeper or Silent flashing LED output from Monitor Mode.

4. LOW BATTERY

Voltage indicator, indicates approximately 10% remaining power.

5. STATUS DISPLAY

Shows unit operating conditions made by button selections.

6. GAIN

Adjusts the internal sensitivity of the Detector and Audio systems.

7. PROBE INPUT

Provides input and power for active probes and automatically selects the appropriate Probe or Aux detector circuits.

8. PULSING SEGMENT

Indicates alarm trip point in the Monitor Mode, activates Alarm & Remote output.

9. INPUT LEVEL

Bargraph indicates signal strength of Probe or Aux inputs.

10. ALERT LED

Flashes red when input level exceeds trip point of Monitor Mode.

11. THRESHOLD

Sets the trip point for the Monitor Mode

12. GAIN

Controls the audio gain (volume) to the speaker or headphone output.

13. PHONES

Allows for silent headphone detection, disconnects the internal speaker.



CPM-700 Optional Accessories



IRP-700 INFRARED PROBE

Enables the operator to detect and locate surveillance devices that utilize invisible infrared energy as the transmitting medium.



MLP-700 MAGNETIC LEAKAGE PROBE

Enables the operator to detect and locate magnetic recording devices such as audio or video tape recorders.



ALP-700 ACOUSTIC LEAKAGE PROBE

The operator can determine the vulnerability of acoustic leakage by placing the ALP-700 against structural objects (i.e. walls, windows).

Technical Specifications

RF PROBE

Gain: 20dB nominal

Frequency Response: 50kHz-2GHz \pm 3dB,
3GHz-10dB

Sensitivity: 62dBm (1 segment) - 85dBm M.D.L.

VLF PROBE

Frequency Response: 15kHz-1MHz-3dB

MAX Input Voltage: 300VAC, 50-60Hz

Isolation: 1500VAC, 60Hz

Sensitivity: 38dBm (1 segment) - 60 M.D.L.

AUDIO AMPLIFIER

Input Impedance: 50K Ω balanced

Input Range: 1.7 μ V-0V (135dB)

AGC Dynamic Range: 100dB (high & low gain)

Frequency Response: 100Hz-15kHz \pm 3dB
(filtered) 500Hz - 24dB/octave,
2.5kHz-18dB/octave

Headphone Output: 5Vp (p 220 Ω)

Record Out: 25mV (p-p nominal with AGC)

DISPLAY

18-segment LCD bargraph with pulsing single
segment trip point 50dB dynamic range
(1 segment High Gain to MAX Low Gain)

Alert Output: 2.8kHz tone or silent red LED at 2Hz

Remote Output: N.O. contact (300mA, 25V MAX)

BATTERY

MN 1500 AA Alkaline (8 qty.): Life 10-16 hrs.

Optional 550mAh NiCad (8 qty.): 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.

CPM-700 UNIT

Size: 9.125 in x 6.125 in x 1.75 in
(23.2 cm x 15.6 cm x 4.4 cm)

Weight: 39 oz (1.1 kg)

CARRYING CASE (with all standard items)

Size: 16.375 in x 11.25 in x 3 in
(41.6 cm x 28.6 cm x 7.6 cm)

Weight: 7 lbs (3.18 kg)

Other Accessories

MPA-700 MODULAR PHONE ADAPTER

Gives operator easy access to phone
wiring in testing for surveillance
devices

CLA-700 CIGARETTE LIGHTER ADAPTER

Provides 12VDC power from
automobile socket

NCB-700 NICAD BATTERIES

Can be recharged overnight numerous
times



CPM-700 sweep kit and custom Cordura case contain all items necessary to conduct a complete professional sweep.