

Sweepmaster F2800 Professional Counter Surveillance System

- 6 GHz (6000 Mhz) Wide Frequency Response RF Detector
- Built in Frequency Counter up to 2800 MHz
- Telephone Analyser (RF and AF Modes)
- Digital and Analogue signal detection
- High Sensitivity to locate the weakest signals
- Custom Backlit Display
- VOX Voice Activation Trigger
- Audible Signal strength 'Beep'
- Digital 'Burst' Signal Detection
- Audio Demodulation
- Internal Li-ion Battery Pack and Charger
- Supplied in ultra-tough Stormcase



The Sweepmaster F2800 is a fully integrated portable counter surveillance system designed to detect and locate the presence of covert surveillance devices or bugging devices. It contains everything the counter surveillance professional needs to perform a thorough 'sweep' of any premises or vehicle.

It uses the very latest digital technology to provide very high sensitivity across a wide frequency range that ensures detection and location of even the weakest radio transmissions such as those used in covert surveillance devices.

VHF, UHF and Microwave transmitters will be detected by the F2800; in fact anything that transmits a radio signal between 1 MHz and 6.0 GHz (6000 MHz). Such devices include miniature room transmitters, mains powered transmitters, telephone transmitters, video transmitters, mobile telephones, tracking devices, walkie-talkies etc.

The F2800 also features a digital 'peak pulse' detector. This enables it to detect signals from devices that only transmit momentarily and to 'latch' a LED and notify you that a signal has been detected. Such devices include vehicle trackers, GSM devices (SMS text messages), or 'Burst' transmitters that accumulate information and transmit it in short 'bursts'.

As well as locating signals swiftly and easily, the F2800 will display the frequency of the signal detected up to 2800 Mhz. This valuable feature enables the user to quickly verify whether the detected signal is from a genuine innocent radio device or something more suspicious.

The F2800 also features a telephone interface so it can be connected directly to a telephone line to check for the presence of radio transmitting devices or other types of hard-wired listening devices attached to the line such as infinity bugs.

SUPPLIED ACCESSORIES

- Antenna Wand with Whip Antenna
- Earphones
- Telephone Connection Cables
- Mains to 10V DC Charger
- Soft Protective Carry Case
- Shoulder Strap
- Protective 'Storm' Carry Case

TECHNICAL SPECIFICATIONS

Typical Performance Characteristics - at 20 degrees C

ANTENNA INPUT

Connector:

Input Frequency Range: BNC Socket - 50 Ohm

Sensitivity 100MHz: 1MHz - 6GHz

200MHz: -46dBm

500MHz: -46dBm

1GHz: -45dBm

2GHz: -40dBm

5GHz: -28dBm

Demodulation Sensitivity for 50mW Audio: -7dBm

Frequency Response: -30dBm (meas'd at 500MHz 50% AM 1kHz)

400Hz - 5kHz +/-2dB

TELEPHONE INPUT

Connector:

Input Frequency Range: FCC68 6/4

Sensitivity 100MHz: 1MHz - 6GHz

200MHz: -39dBm

500MHz: -32dBm

1GHz: -29dBm

2GHz: -27dBm

5GHz: -15dBm

Demodulation Sensitivity for 50mW Audio: -1dBm

Line Audio: Frequency Response: -24dBm (meas'd at 500MHz 50% AM 1kHz)

Sensitivity for 50mW Audio 400Hz - 5kHz +/-2dB

Frequency Response 10mV RMS

Line Isolation 200Hz - 15kHz +/-1dB

500V DC

INSTRUMENT DISPLAY

Type

Custom Backlit LCD10

RF Signal Strength element bargraph

RF Carrier Frequency 2800.0MHz (2.56GHz) maximum

INTERNAL AUDIO AMPLIFIER

Output Power

0.25W

Frequency Response 300Hz - 15kHz +/-1dB

Headphone Connector 3.5mm Jack

VOX TRIGGER

Number of Bursts

4

Burst Duration

40ms

Burst Frequency

12.5Hz

Tone Frequency

3.2kHz

Loudness

90dB SPL @ 1m

MISCELLANEOUS

Internal Battery

7.2V 1100 mAH Li-Ion rechargeable

Operating Duration - fully charged battery 8 hours

Charge Time - using supplied charger 3 hours maximum

Operating Temperature Range -10 to +50 degrees C

Relative Humidity < 90%

Dimensions 170 x 165 x 52 mm

Weight <1 kg (main unit)