

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:	BNC Socket - 50 Ohm
Input Frequency Range:	1MHz - 6GHz
Sensitivity 100MHz:	-46dBm
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:	FCC68 6/4
Input Frequency Range:	1MHz - 6GHz
Sensitivity 100MHz:	-39dBm
200MHz:	-32dBm
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)