

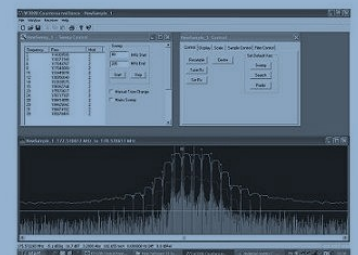
Counter Surveillance Receivers

MS300 counter surveillance receiver

The Microscan MS300 is a highly sensitive counter surveillance receiver that allows the detection of all major types of covert radio surveillance threat. It is capable of demodulating video signals and detecting digital listening devices giving the user the ability to listen to and view many of the signals detected. The MS300 delivers the speed, sensitivity, dynamic range and selectivity necessary to detect signals effectively, with a frequency coverage from 10kHz to 3GHz (up to 15GHz with optional MDC). The MS300 puts an end to compromise.

User Benefits

- High detection rate
- Ultra sensitive automatic sweep for analogue bugs
- Excellent detection of frequency-hopping devices
- Wide sampling bandwidth for spread spectrum devices
- On-screen video demodulators aid detection of video transmitters
- Scan multiple rooms for analogue bugs 10 kHz - 3 GHz in 4 minutes
- Fast scan for all signals in less than two and a half minutes
- Flexible, high resolution spectrum analyser display
- Integrates signals over time to allow detection of very low-power and 'snuggler' bugs
- Comparison function allows 'friendly' signals to be eliminated
- Mains coupler allows detection of bugs using mains wiring as their transmission medium



Audiotel International
Corby Road
Weldon
Corby
Northamptonshire
England
NN17 3AR

T: +44 (0)1536 266 677
F: +44 (0)1536 266 711

Counter Surveillance Receivers

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Receiver

Frequency	10kHz to 3GHz (up to 15GHz with optional MDC)
Tuning resolution	1Hz
IF bandwidth	500Hz, 3kHz, 6kHz, 15kHz, 40kHz, 110kHz, 220kHz
Attenuators	10dB, 20dB
Sweep time	10kHz to 3GHz in 4 minutes (PC interface: Pentium 4, 2.6GHz, USB 2.0 high speed, 480Mbps)

Sensitivity

10kHz – 40kHz	63uV
40kHz – 100kHz	4.46uV
100kHz – 2MHz	2.23uV
2MHz – 40MHz	0.56uV
40MHz – 1000MHz	0.4uV
1GHz – 3GHz	0.36uV

Antenna

10kHz – 150MHz	Active loop antenna
150MHz – 3GHz	Planar Spiral Antenna
Mains coupler	10kHz – 5MHz
External input	BNC socket

Data Acquisition

Bandwidth	up to 10MHz, depending on tune frequency
Sampling rate	64MHz
Decimation rates	1, 2, 4, 8, 16, 32
Frequency resolution	7.6Hz
Spurious free range	80dB

Power

Voltage	100 – 240V, 50/60Hz
Current	1A

Approvals

EU	EN300 339, EN300-220-1, EN300-220-3, EN301-489-9, EN60950
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Optional Accessories

GSM Detector	GSM (880MHz to 915MHz), DCS1800 (1710MHz to 1785MHz), Voice, data, fax, SMS, GPRS (up to class 8)
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MDC	Microwave downconverter which extends the frequency range of the MS300 from 3GHz to 15GHz.
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Warranty

MS300 comes with a return to base warranty against defective materials and workmanship for a period of 2 years from delivery. With regular authorised maintenance and recalibration of the unit the basic warranty can be extended for a further period.

Technical Support Group

The Audiotel Technical Support Group (TSG) can be contacted during UK office hours on:

T: +44 (0) 1536 266677
F: +44 (0) 1536 266711

or via the Contact Us page on the Audiotel website.

Core UK office hours are:

Mon.-Thur.: 09:00am to 5:00pm
Fri.: 08:30am to 4:00pm

Training

Audiotel is able to offer full training in the operation or our products together with general counter measures training and seminars.

Due to our policy of continuous improvement, all specifications are subject to change without notice.

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