

Detect all major types of covert radio surveillance threat with the **MS300**

**DATA
SHEET**

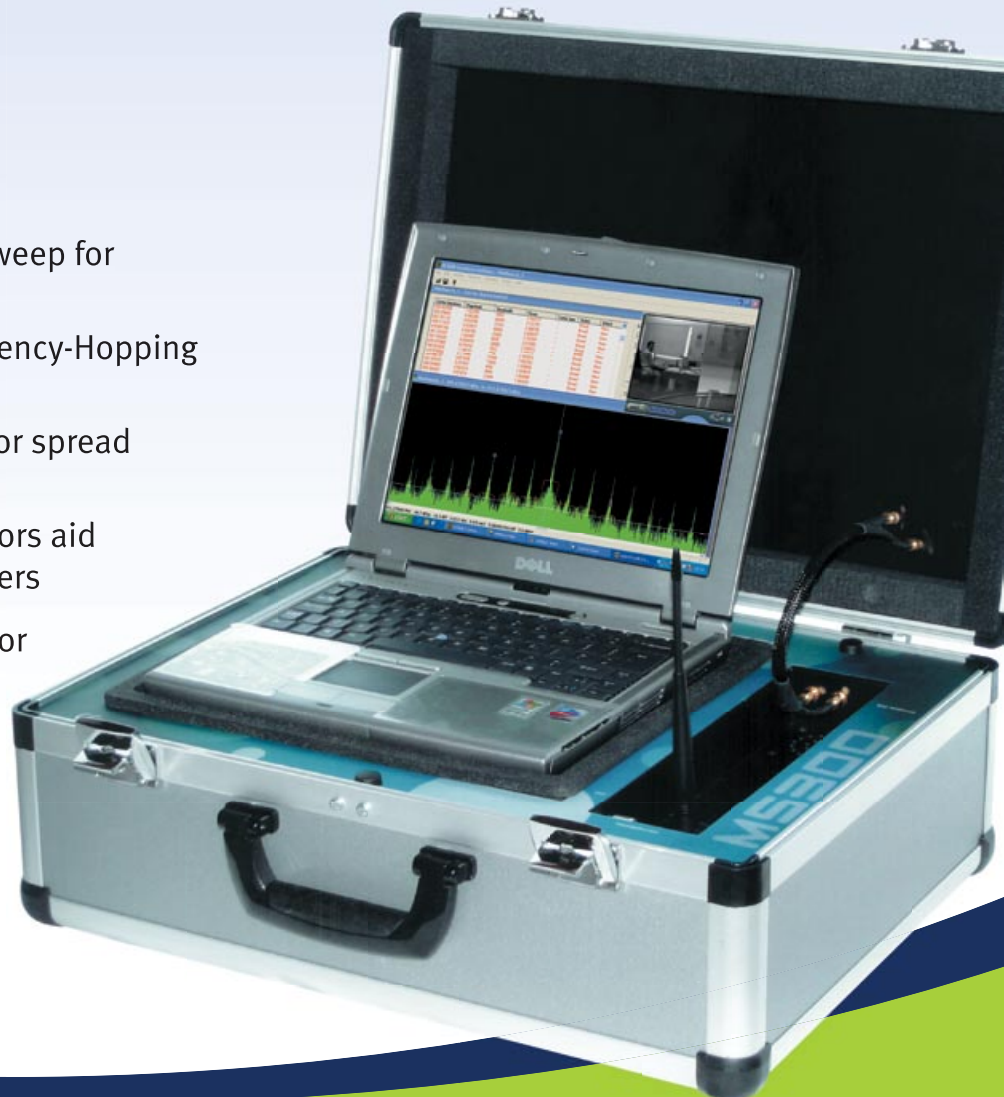


The MS300 is a highly sensitive counter surveillance receiver which allows the detection of all major types of covert radio surveillance threat.

The MS300 delivers the speed, sensitivity, dynamic range, selectivity, and frequency coverage you need, from 10kHz to 3GHz (up to 15GHz with optional MDC).

FEATURES

- 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
- Dedicated Mobile Phone Detector
- Fast Detection
- Flexible, High Resolution Spectrum Analyser Display
- Mains Coupler
- Comprehensive Help Files



TECHNICAL SPECIFICATION

Receiver

Frequency Range	10kHz – 3GHz (minimum accepted frequency input 5kHz) (up to 15GHz with optional MDC)
Tuning Resolution	1Hz
IF Bandwidth	500Hz, 3kHz, 6kHz, 15kHz 40kHz, 110kHz, 220kHz
Attenuators	10dB, 20dB

Sensitivity

Receive Frequency	Sensitivity
10kHz – 40kHz	63 μ V
40kHz – 100kHz	4.46 μ V
100kHz – 2MHz	2.23 μ V
2MHz - 40MHz	0.56 μ V
40MHz – 1000MHz	0.4 μ V
1GHz – 3GHz	0.36 μ V

Data Acquisition

Bandwidth	up to 10MHz, depending on tune frequency
Sampling Rate	64MHz
Downconverter Decimation Rates	1, 2, 4, 8, 16, 32
Frequency Resolution	7.6Hz
Spurious-free Dynamic Range	80dB

Specifications

Operating Voltage	100-240V, 50/60Hz
Max. operating Current	1A
Operating Temperature	0°C - 40°C

Antennae

10kHz – 150MHz	Active Loop Antenna
150MHz – 3GHz	Planar Spiral antenna
Mains Coupler	10kHz – 5MHz
External antenna input	N-type
PC Interface	USB 2.0 High Speed 480Mbps
Scan Time (Pentium 4.2GHz)	0-3GHz 3 Minutes

GSM Detector

Frequency Ranges	800MHz, 900MHz, 1800MHz 1900MHz (Europe & USA Standards)
Detection modes	Network call, text message active call
Sensitivity Ranges	5m, 10m, 20m, 50m, 200m

■ **EMC Standards Applied** ETS 300 339, EN300-220-1, EN300 220 3, EN301-489-9, EN60950

■ **Weight** 12Kg

■ **Dimensions** 508mm x 376mm x 213mm

■ **Tariff Number** 8527-9098

■ **Accessories** Accessories supplied in soft combination carrying case. One half of soft carry-case for GSM detector, tone boxes, power supply & instructional manual and other half for Notebook PC (not included)

■ **Product Codes** 3-299-040 – MS300 System
3-299-041 – MS300 System with software pre-loaded on Notebook PC

■ **Warranty** Microscan MS300 comes with a return-to-base warranty against defective materials and workmanship for a period of 2 years from delivery.

■ **After Sales Support** Technical Support business hours (Greenwich Mean Time)
Monday – Friday 8.30am – 5.30pm

Email: technicalsupport@winkelmann.co.uk

■ **Training** Winkelmann and its Partners are able to offer full training in the operation of products together with general countermeasures training and seminars. (Contact us about basic & advanced TSCM courses)

■ **Contact Details** Winkelmann (UK) Ltd.
Unit 59, Rowfant Business Centre
Wallage Lane, Rowfant
Near Crawley, West Sussex
RH10 4NQ
T: +44 (0) 1342 719024
F: +44 (0) 1342 719030
E: sales@winkelmann.co.uk
W: www.winkelmann.co.uk

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

