



**PRO-W12DX**  
DATASHEET

# PRO-W12DX

A handheld wideband RF detector specifically designed to detect and locate signals from the very latest covert listening, tracking, cellular and video devices.

## KEY FEATURES

- Detects the very latest covert listening, tracking, cellular, and video devices.
- Includes an ultra wide frequency response, now up to 12 GHz.
- The new 'livescan' feature shows the detected signal trace.
- 1000 event memory log with time and date recording all detected burst signals/frequencies.
- Live graph mode plots detected signals and frequencies on a 2.5 inch colour TFT display.

## OPERATIONAL DETAILS

The pocket sized PRO-W12DX features a 0-12 GHz RF frequency range, with unrivalled sensitivity to combat the growing threat from the latest super high-frequency devices. A new intelligent frequency-counter design has been implemented that can now display most digital frequencies as well as analogue signals up to an unprecedented 6 GHz.

- 20 element bar graph
- High performance hinged omni-directional antenna
- Directional High Gain Antenna



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## OPERATIONAL SPECIFICATIONS

Antenna Connector	SMA Socket - 50 Ohm
Input Frequency Range	1MHz - 12,000 MHz (12.0 GHz)
Demodulation Sens. for 50mW Audio	-30dBm (measured at 500MHz 50% AM 1kHz)
Audio Frequency Response	400Hz - 5kHz +/-2dB
Operating temperature range	-15 to +50°C (relative humidity < 90%)
Signal Processing and Control	RISC Based Microcontroller

## SENSITIVITY

100 MHz	-49 dBm
200 MHz	-48 dBm
500 MHz	-47 dBm
1 GHz	-44 dBm
2 GHz	-50 dBm
5 GHz	-42 dBm
10 GHz	-30 dBm
12 GHz	-28 dBm

## DISPLAY & DIMENSIONS

Display	TFT Colour 2.5' High Contrast Graphic Display
Dimensions	(h) 146mm x (w) 80mm x (d) 24mm
Weight main unit	250g
Rugged case	1.05kg
Complete system including case	1.3kg
Case dimensions	(h) 270mm x (w) 220mm x (d) 120mm

## MEMORY & STORAGE

Memory	1000 event Log - Time & Date - non-volatile memory 8-minute live graph of signal data and frequency
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## BATTERY & POWER

Battery	Internal 3.7V 1500 mAH Li-Ion rechargeable
Rechargeable	Yes
Operating duration	8 hours (from fully charged)
Charge time	4 hours
Operating temperature range	-15 to +50°C (relative humidity < 90%)

## ACCESSORIES

Antenna	Adjustable hinged antenna
Directional antenna	Directional high gain antenna
5V DC Charger	110V to 240V AC input (Auto Switching) with International Adaptors
Earphones	Earphones
Carry case	Heavy duty military standard



