

DATASHEET

Delta V ECM

Differential RF Detector

Features

- Flat Response - Delta V provides an almost completely flat frequency response over a wide frequency range from 10 MHz to over 6.5 GHz. This remarkable performance gives you the confidence that Delta V provides consistent and reliable detection of localised RF transmissions
- Greater sensitivity - by using alternative antennae, greater sensitivity can be achieved
- Push-Button Sensitivity Reduction - to allow more accurate pinpointing of a transmitter a push-button is provided to reduce the sensitivity of Delta V
- Silent Operation - Delta V comes equipped with an earphone to allow silent operation

Delta V is a hand-held differential RF field strength wide band detector. Rather than measuring the absolute field strength, Delta V measures the rate of change in field strength.

This technique gives a high degree of rejection of strong distant signal sources providing greater discrimination against outside signals.

Ideal for locating radio bugs, basic RFI/EMC testing and localising illegal high power broadcast transmitters.

A push-button is provided to reduce the sensitivity of Delta V when working close to a local transmitter. This prevents the strong signal response experienced close to a transmitter causing a maximum response too far away to locate the source accurately.



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TECHNICAL SPECIFICATIONS

Detection Capability

All transmitter types

Frequency

Coverage +/- 5 dB 10 MHz to beyond 4000 MHz
Sensitivity Average -53 dBm
Dynamic Range Greater than 50 dB, typically -52 dBm to +5 dBm at 1 GHz
CMRR 20 dB at 1 GHz
Input Maximum CW 200 mW

Power Requirements

Battery Alkaline 9V PP3 gives approximately 24 hours of continuous operation (up to 30 hours at low click rate). Low battery warning at nominal 5.8 VDC.
Output
Audio Geiger type 'click' from internal speaker or head phone

Dimensions

122 x 62 x 22 mm (H x W x D)

Weight

245 grams

Accessories

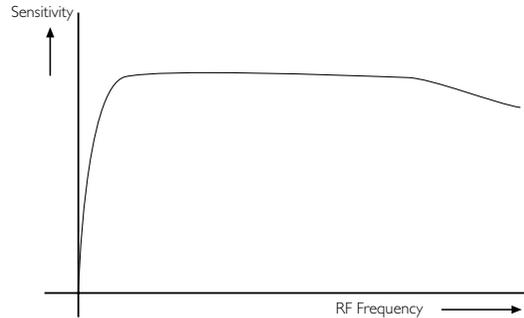
Antenna set, earphone, carrying pouch, battery, instruction manual

Order Code

Delta V 2-197-148

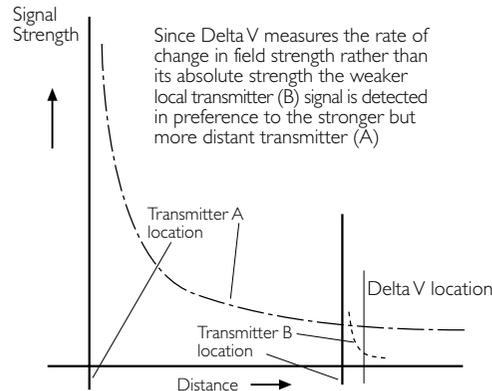
Flat Response

Delta V provides an almost completely flat frequency response over a wide frequency range from 10 MHz to over 6.5 GHz. This is achieved by using matched Schottky detector diodes in conjunction with a low noise wide dynamic range differential DC preamplifier, which is further enhanced with automatic drift and offset canceling.



Differential Detection

Since the differential field from an RF transmitter falls at a greater rate than the absolute field strength, Delta V can be used to locate weak local transmitters even in the presence of stronger RF transmissions. This is achieved by measuring the differential between the matched pair of antennae.



Warranty

Delta V 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 - Thursday 8.30am - 5.15pm
Friday 8.30am - 12.30pm
Email: suport@audiotel-international.com

Training

Audiotel International is able to offer full training in the operation of our products together with general countermeasures training and seminars.

Contact Details

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



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