



Box similar to the illustration

Antenna Measurement Box DAB



Measurement, Recording and Analysis of the Signal Quality

- Drive testing of car antennas
- Standalone measurement box without additional computer
- Two DAB antennas simultaneously connectable; with two additional external DAB tuners, up to four antennas
- Well-priced solution for antenna tests under real-life conditions
- Recording of syncstatus AGC, SNR, MSC and FIC error rate
- Georeferencing of the measurement points: GPS status, speed, altitude etc.
- 4 measurement points per second
- Subsequent processing and editing of the measurement point list in an user-friendly analysis software
- Connection to a number of web map services

Options

- Cockpit panel for monitoring and configuration
- Connection to a spectrum analyzer
- Live monitoring on PC or notebook
- CAN Bus interface

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DAB Car Antenna Drive Testing

For testing the signal quality of car antennas under real life conditions, the mobile antenna measurement system AMS is a powerful and well-priced solution. With the DAB measurement box, it is possible to drive along the relevant reception area and to analyse problems afterwards.

Two antennas can be connected to only one measurement box simultaneously; when using two additional DAB tuners, up to four antennas can be connected. The DAB box records up to four measurement points per second. An external spectrum analyser can be connected to search for interfering signals or similar problems.

For simplified network configuration, the box includes a DHCP client. It is available with an internal or external GPS module. It is not necessary, but possible to connect a control computer while driving. If required, you can connect an external cockpit panel for remote control of the box on the road.

Features of the Analysis Software

- Live monitoring of the measured data
- Integration of streetmaps and satellite images that are available on the internet
- Consolidation of several measurement data sets
- Simultaneous representation of a number of measured variables as different dot sizes, colour gradient, shapes etc. or as bargraphs
- Time-distance plots with comparative function
- Multiple filter criteria to reduce the visualized data set
- Extraction of discrete frequencies from the recorded spectra

- Analysis settings can be stored in profiles for quick access
- Report generation, manually or automatically from templates: Spectra, measurement data diagrams, maps
- Statistical evaluation of the measurement data
- Computation of a 2D distribution function with interpolation
- Analysis of the energy integral
- Intermodulation products calculation
- CSV import and export
- Printing functions for map and plots, PDF export

Specifications

General Information	
Power input	13.8V, ~10W
Dimensions	223x266x81mm
GPS	internal or external via USB or Bluetooth
Spectrum analyser	Will'Tek 9102, R&S FSH-8 via Ethernet R&S FSH-3 via RS232
Recording	on USB stick or integrated memory
Readout	via USB or Ethernet

DAB Measurement Box	
Internal tuners	2x VAD400 (VDL)
External tuners	2x Philips DAB752 (optional)
Reception frequencies	Band 3 (174-240 MHz) and L-Band (1452-1479.5 MHz)

