

Datablad

TVHunter



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TVHUNTER: Aligning antennas fast and easily

The **TVHUNTER** is a small handheld easy to use meter, that has been designed for the installation of Digital Terrestrial Television systems.



External antenna power

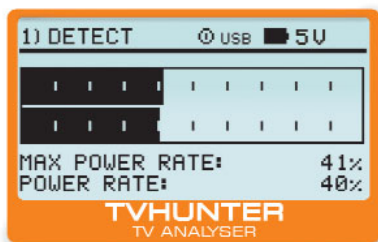
The meter includes a power supply for external active antennas or preamplifiers. It is possible to select 5 V, 12 V, 18 V or 24 V depending on the requirements of the external device.

Easy to use



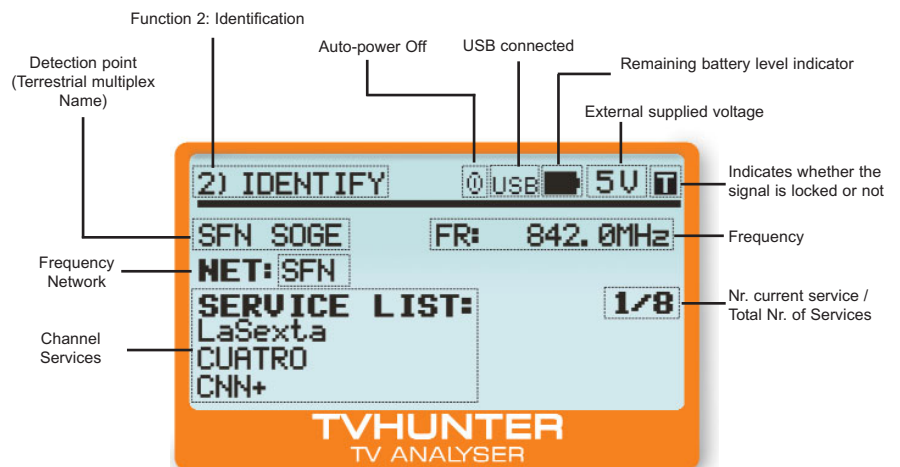
1.- Detection

It detects signals from any analogue or digital terrestrial broadcast with the built-in wide band detector. In this mode the meter shows information about the received signal power in the form of two graphic bars with two different time constants and an audible indicator to help align the aerial to the optimum detection.



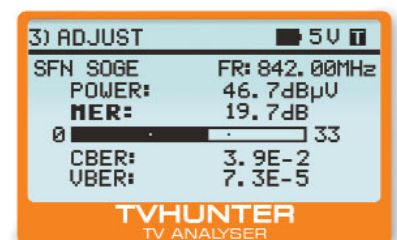
2.- Identification

In this mode the **TVHUNTER** shows information about the received digital channel and programmes included in the service list as well.



3.- Adjustment

It allows to optimise the digital measurements such as channel power, MER, VBER and CBER on preselected channels. All information is displayed on the screen in a very convenient way so that optimising the aerial alignment becomes really easy. MER in particular is shown numerically and through a graphic bar as well. VBER and CBER can be shown together or graphically.



SPECIFICATIONS	TVHUNTER
TUNING Frequency range Measurement points	474 MHz to 858 MHz (UHF) 16 maximum
RF INPUT Impedance Connector Level range Maximum signal level	75 Ω Universal, including BNC, DIN and F interchangeable adapter 40 dB μ V to 100 dB μ V DC to 100 Hz 30 Vrms 474 MHz to 858 MHz 120 dB μ V
DVB-T SIGNAL PARAMETERS Carriers Guard Interval Code Rate Modulation Spectral inversion Bandwidth	2 k / 8 k (selectable by the user) 1/4, 1/8, 1/16, 1/32 (selectable by the user) 1/2, 2/3, 3/4, 5/6, 7/8, AUTO QPSK, 16-QAM, 64-QAM, AUTO. Selectable: ON, OFF 7 MHz, 8 MHz
DVB-T MEASURES Power MER CBER VBER	40 to 100 dB μ V 0 to 33 dB 1E-5 to 1E-1 1E-7 to 1E-3
SIGNAL PARAMETERS Spectral inversion Quality level for acceptance Initial values Displayed information Configuration of test points	Set by user Set by user MER = 21 dB Multiplex name and its first 48 services, if it is detected Visual indication of DVB-T locked signal By means of USB 2.0 connection to PC. (Cable and software included)
EXTERNAL UNITS POWER SUPPLY Output voltage Maximum external output power	Through the RF input connector 5 V, 12 V, 15 V, 24 V \pm 1 V 5 W (2.5 W for +5 V)
BACK-LIGHT DISPLAY	Automatic
POWER SUPPLY Battery Low battery indication Charger Autonomy Charging time Mains adapter	7.4 V 2.2 Ah Li-Ion battery Acoustic indication and message on the display Built-in. It disconnects power supply when charging process ends 6 hours typically, without powering any amplifier through the external power supply 90 min. approx. starting from a complete discharge (instrument off), within the margin of tolerated temperatures 90 - 250 V / 50-60 Hz (included), 12 V DC, 20 W
OPERATING ENVIRONMENTAL CONDITIONS Altitude Temperature range Max. relative humidity	Up to 2000 m. From 5 $^{\circ}$ C to 40 $^{\circ}$ C 80 % (Up to 31 $^{\circ}$ C), decreasing lineally up to 50 % at 40 $^{\circ}$ C
MECHANICAL FEATURES Dimensions Weight	180 mm (W) x 95 mm (H) x 50 mm (D) 480 g
ACCESSORIES	Mains power adapter, F to BNC/DIN/F adapters, Manis cord, Car lighter adapter, TVHUNTER carrying suitcase, TVHUNTER carrying belt, USB 2.0 connector cable, CD-ROM, TVHUNTER Quick Reference Guide

(*) Outside this range of temperatures, the charger will not initiate the charging process. At high ambient temperatures, the charging process will not be carried out in continuous mode because the charger circuit has a heat-protection device that disconnects this circuit when it is over 45 $^{\circ}$ C, returning to connect itself when it is above 40 $^{\circ}$ C.