



The arrival of Digital TV boosted the installation of Direct To Home satellite TV systems. Because of the range of services offered by modern satellites and the ever increasing signal density, different tests have been developed from those available in classic satellite detectors and meters. There is a need to discern among different satellites, to adjust the skew and to check digital signal quality.

The **SKYHUNTER** responds to the need for an installation tool that might allow making the job fast and including all necessary measurements to secure quality of reception.

The instrument is very easy to use instrument, it guides the user through 3 steps, enabling the desired satellite to be located, guaranteeing its identification and accurately adjusting the receiver antenna to obtain the best possible signal quality.

SPECIFICATIONS

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| Frequency range | 900 MHz to 2150 MHz. |
| Measurement points | 16 maximum. |
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| RF INPUT | |
| Impedance | 75 Ω |
| Connector | Universal, including BNC and F interchangeable adapter |
| Level range | 30 dB μ V to 90 dB μ V |
| Maximum signal level | 120 dB μ V |
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| QPSK SIGNAL PARAMETERS | |
| Symbol rate | 1000 to 30000 kbauds |
| Code rate | Auto and 1/2, 2/3, 3/4, 5/6, 6/7, 7/8 |
| Spectral inversion | Automatic |
| Quality level for acceptance | Definable by user |
| Initial values | IDENTIFY: CBER = 2×10^{-4} ADJUST: MER = 5 dB |
| Displayed information | Satellite's Azimuth, if it is detected Service name, network or bouquet, if it is detected |
| Configuration of measurement points | By means of serial connection to PC. (Cable and program included) |
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| MEASUREMENTS | |
| DVB-S (QPSK) | |
| Presentation | Power, CBER and MER. Simultaneously (numerical). |
| Range | |
| Power | 40-90 dB μ V (900-2150 MHz) |
| CBER | 1.0 E-2 to 1.0 E-6 |
| MER | 3 to 15 dB |
| Accuracy | |
| Power | ± 3 dB (40-90 dB μ V, 900-2150 MHz) (22°C \pm 5 °C) |

EXTERNAL UNITS POWER SUPPLY

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|------------------------|-----------------------|
| Output voltage | 13 V, 18 V. \pm 1 V |
| Maximum output current | 300 mA |
| 22 kHz signal | Selectable |
| Voltage | 0.6 V \pm 0.2 V |
| Frequency | 22 kHz \pm 4 kHz |

BACK-LIGHT DISPLAY On, Off.

POWER SUPPLY

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|---|---|
| Battery | 7.2 V 1.5 Ah Ni-MH battery. |
| Low battery indication | Acoustic indication and a message on the display. |
| Charger | Built-in. It disconnects the powering when the charging process ends. |
| Autonomy | 70 min. typically, powering a universal LNB and identifying a signal continuously. |
| Charging time | 70 min. approx. starting from a complete discharge (instrument off), within the margin of tolerated temperatures. |
| Temperature of charge beginning between 5 and 45 °C | Outside this margin of temperature, the charger will not initiate the charging process. With high ambient temperatures, the charging process will not be carried out of continuous way since the charger circuit has a heat-protection device that disconnects this circuit when surpassing 45°C, returning to connect itself when low of 40°C. |
| Mains Adapter | 90 - 250 V/50-60 Hz/18W (included). |
| Maximum consumption | 18 W. |

OPERATING ENVIRONMENTAL CONDITIONS

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|------------------------|--|
| Altitude | Up to 2000 m. |
| Temperature range | From 5 to + 40 °C. |
| Max. relative humidity | 80 % (up to 31 °C), decreasing lineally up to 50 % at 40 °C. |

MECHANICAL FEATURES

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|------------|-------------------------------------|
| Dimensions | 195 mm (W) x 101 mm (H) x 44 mm (D) |
| Weight | 480 g |