

The Annie HD Spectrum Analyser

The future is NOW!

Featuring HD pictures in both MPEG4 and MPEG2. With DVB S DVB S2 satellite decoding plus terrestrial and analog decoding. See the picture, the measurements and the spectrum on the unique triple screen.



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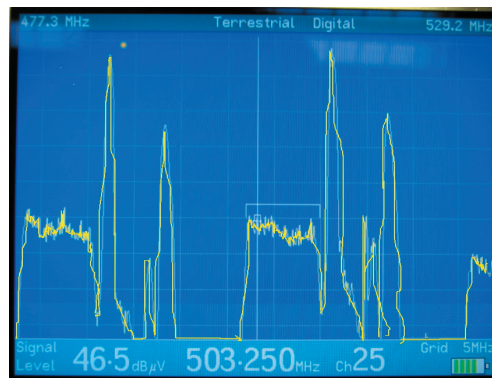
- New high quality 6.5 inch 640 by 480 pixel display, transfective, with LED back light
- Shows BER and MER figures on digital signals in both MPEG2 and MPEG4
- 30 to 860 and 950 to 2150 MHz frequency range coverage with zoom facilities
- Designed for ease of use. Automatic detection of analog or digital signals and MPEG2 and MPEG4
- No complex settings are required - just switch on and use!
- Stores test setups as favourites for rapid repeat measurements, signal records software included
- Nylon carry-case with integral light hood for bright conditions
- Light weight - 3 kg including battery and nylon carrying case

Three easy steps to all the information you need:

1

start frequency

stop frequency



grid (MHz)

level

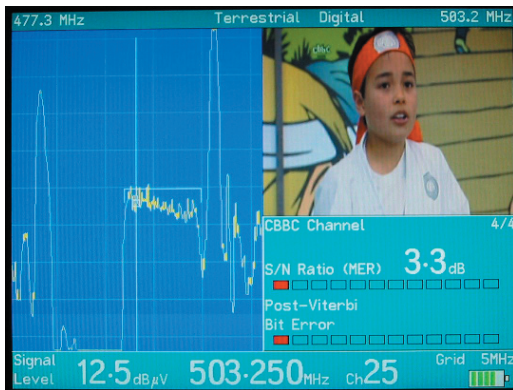
frequency
cursor

battery
level

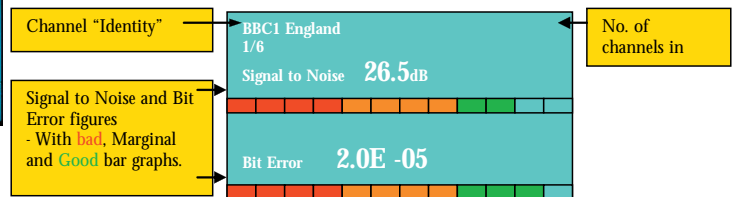
When the cursor is placed over a carrier Annie automatically detects whether the carrier is analogue or digital. The correct signal level is then displayed. This unique function avoids errors caused by the selection of an incorrect measurement method.

View the spectrum, zoom in and out and change the centre frequency using the four arrow keys. For terrestrial signals use the channel lock to step directly between channels. Place the cursor over the signal to measure the level and frequency of the signal.

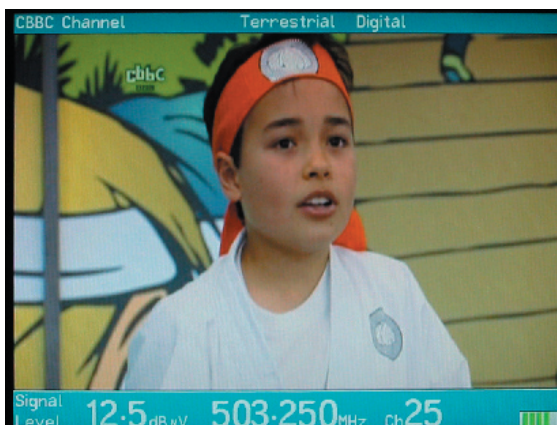
2



Place the cursor on the channel to be measured and press the data button. The triple-screen displays the picture, channel identification, signal to noise ratio and BER, whilst displaying the centre portion of the spectrum display.



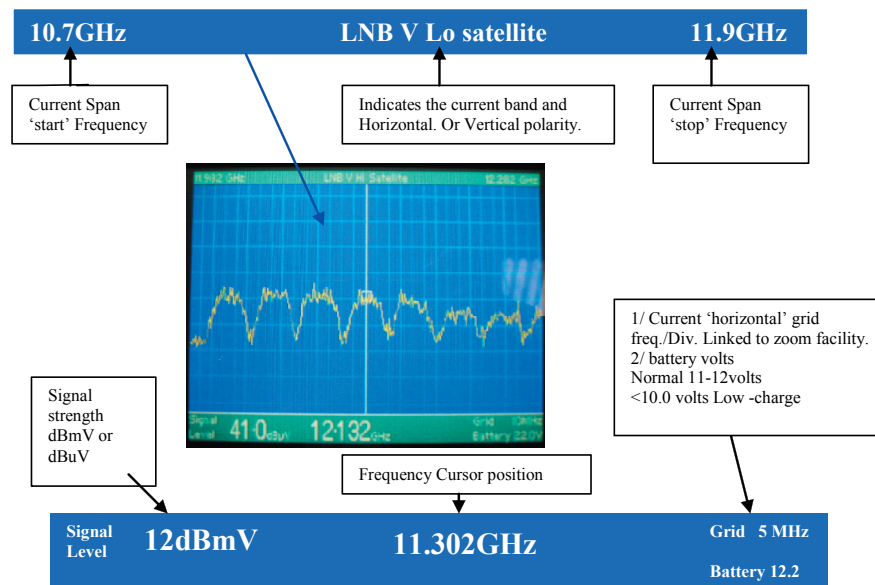
3



Press 'data' again to view a full screen TV picture. Sound is available via the headphone output socket. To check all the channels in a digital multiplex, step through the channels using the up/down arrow keys.

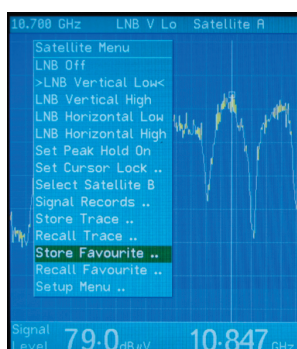
Satellite Band Measurements

Switch to the satellite band, set the appropriate LNB voltage. Using the same method for terrestrial operation, it is possible to view the spectrum, pictures and sound on all clear to air satellite channels in the Ku band.

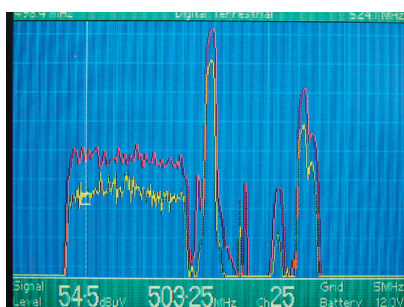


Extra features to make your measurements easier!

A peak hold function allows the capture of intermittent signals, such as interference from mobile transmitters. The setup menu allows measurement units and other parameters to be set according to the user's preference. A standard keyboard may be connected to allow the labelling of favourite settings. Software upgrades and data downloads are accessed via the built in USB port.



Up to 100 'favourite' settings can be stored in memory and retrieved at a later date. All parameters are stored and once recalled the instrument will switch to the relevant band.



A complete trace may be stored and recalled. This enables a trace stored at one location to be compared with a measurement at another place or time. Up to four colour coded traces may be stored and recalled.

Technical Specification

Frequency coverage	Terrestrial: 30 –860 MHz, satellite: Ku band 10.7 GHz to 12.75 GHz (IF 950 to 2150 MHz)
Operating system	Analogue PAL I (other systems available please specify when ordering). Digital terrestrial (DTT) plus digital satellite DVB S and S2 with MPEG2 and MPEG4 decoding. Free to air (FTA) only. Factory upgradable to DVB T2 when chipsets are released.
Level measurement	Minimum 20 dB μ V (-40dBmV) and maximum 110dB μ V (+50 dBmV). Can be set to dB μ V or dBmV within setup menu BER Pre Viterbi or Post Viterbi
Screen	6.5 inch TFT full colour transfective with LED backlight
Accuracy	Terrestrial < +-1.5 dB, satellite <+-2.0 dB Cursor frequency accuracy – full span less than 50 KHz
Keypad	Tactile, hard wearing and splash-proof keypad
Case	Glass fibre reinforced polycarbonate, aluminium back plate Size: 250 mm wide x 270 mm high x 85 mm deep
Connectors	Single RF input (30-2150 MHz) BNC 75 ohm Video. Video in BNC 75 ohm. Video out DVI digital output USB data connector type 'B'. External keyboard – PS/2 connector Stereo Headphone socket 3.5mm Charger socket 2.1mm dc type
LNB powering	13 or 18 volts + switchable 22 KHz tone
Battery and charging	Battery life 2.5 to 4 hours (depending on setting) Mains charger and in-car charging lead supplied - Annie HD may be operated from the charger whilst charging
Carrying case (supplied)	Nylon ever ready case with built in light hood
Weight	3Kg (including nylon case)
Software supplied	Signal records software for logging and storing results, which can be down loaded to a PC for printing

Visit our website at www.swires.com

Email sales@swires.com

Telephone +44(0)1268 574 574

Fax +44(0)1268 574 574