

SNYPER-3G Spectrum

Cellular Signal and Network Analyser with liveSCAN feature



Key Features

- 2G / GPRS and 3G / UMTS coverage
- Measures and displays received signal strength
- Lock onto a signal provider to perform real time liveSCAN
- liveSCAN data provided as real time graphical display
- Store upto 50 surveys
- USB download of last 50 surveys to a PC
- Large easy to read LCD display
- Logical menus and operation
- Long life rechargeable battery, gives up to 48 hours on one charge
- Up to 15 hours continuous liveSCAN use
- Supplied in a convenient hard carrying case
- Optional high performance liveSCAN antenna

General Description

The SNYPER-3G Spectrum is a high performance signal and network analyser for the 2G / GPRS and 3G / UMTS networks, with a host of important features for the busy engineer and installer. Building on our many years of signal tester experience, the new SNYPER-3G Spectrum utilises the same design platform used in our advanced wireless terminals to provide market leading performance and functionality, at a highly competitive price.

Used as an invaluable tool for the surveying and commissioning of wireless systems, the SNYPER-3G Spectrum can perform a number of different functions to determine optimum antenna placement, performance of existing installations or choice of network operator. As an example, the SNYPER-3G Spectrum can determine the strength of a particular network signal, or can review all available network signals in the area of use, and rank these in order of strength through its summary page. The summary page is an incredibly powerful feature allowing network operator choice to be made based on both signal strength and number of usable cells, with all data visible

concurrently. The SNYPER-3G Spectrum also has a number of signal strength thresholds within the summary page, providing a more concise view where only signals above a certain dB level are of interest.

The SNYPER-3G Spectrum has an additional feature called liveSCAN. The liveSCAN feature allows you determine the optimum direction for antenna placement, the liveSCAN data is provided as a real time graphical display on the SNYPER-3G Spectrum.

The SNYPER-3G Spectrum has been designed to be as logical as possible, with a simple to use menu and operation system. Provided with a large high contrast LCD display, the SNYPER-3G Spectrum ensures all the information is clearly visible, and allows the presentation of considerable data at the same time. Operating without the need for a SIM*, the SNYPER-3G Spectrum can store up to 50 surveys which can be downloaded via USB to a PC.

*The SNYPER family of products has a SIM slot located in the enclosure base which is used for enhanced network services. With the SNYPER-3G Spectrum, a SIM is required when performing a liveSCAN on a specific network operator. The SIM has to be active, but it will not use any data during the liveSCAN survey as it is only required for network functionality.

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The SNYPER-3G Spectrum is supplied with a compact antenna providing excellent performance in combination with the unit. The antenna may also be removed to allow direct connection of the liveSCAN antenna (purchased separately), via SMA connector. This liveSCAN antenna is useful when performing a liveSCAN in determining the optimum antenna placement in a new or existing installation.

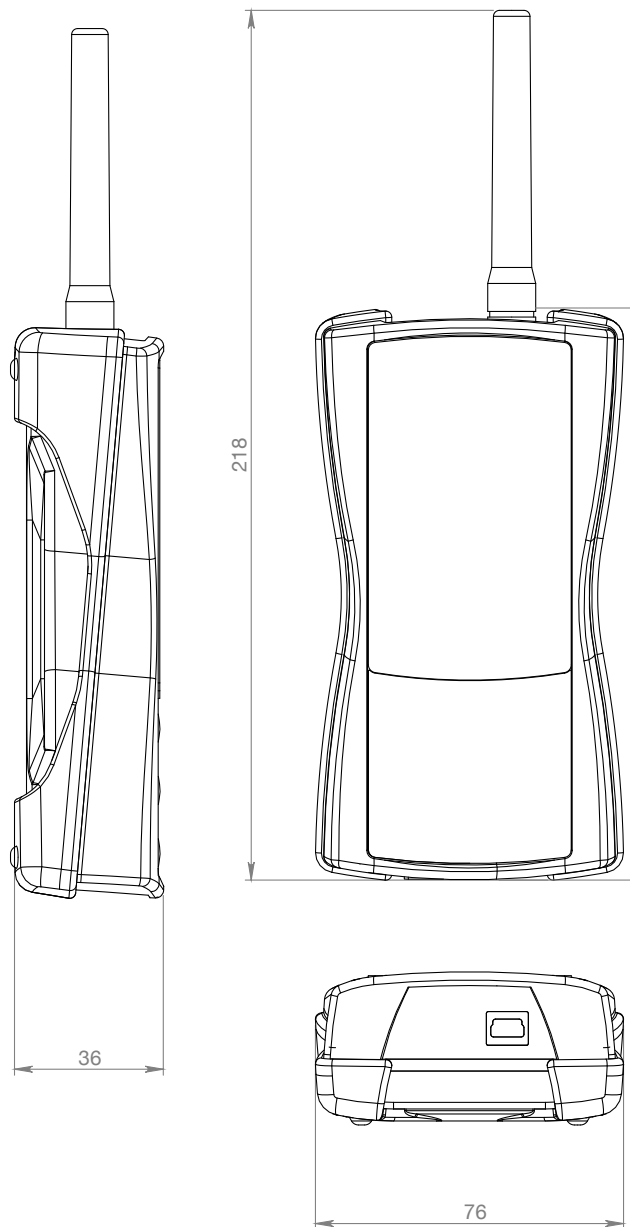
Supplied in its own hard carrying case, the SNYPER-3G is designed for continuous professional use over many years, with the robust enclosure and rubber surround providing

additional shock protection. A multi region power supply is also included for charging of the unit through its USB port. The supplied rechargeable battery allows for up to 48 hours of use between charges, 15 hours continuous liveSCAN use and up to 4 months in standby mode. The unit will also automatically power down after a period of inactivity, maximising battery life.

SNYPER Antenna Connector



SNYPER Mini USB Power Connector



SNYPER Specifications

SNYPER-3G Spectrum

2G supported bands:	850, 900, 1800, 1900MHz
3G supported bands:	900, 2100MHz
Dimensions:	141 x 76 x 36mm
Weight:	215g
Antenna dimensions:	78 x 11mm
Operating temperature range:	-20 to +75°C
Storage temperature range:	-40 to +85°C
Operating humidity range:	0 to 90% RH non-condensing
Antenna connector:	SMA male
Display:	2.4" QVGA 320 x 240 RGB TFT
Battery life:	48 hours normal use*
Battery:	2000mAh
Warm up time:	2s
Mains adapter input:	100 - 240C 50/60Hz
Mains adapter connector:	3 pin UK, 2 pin EU, US, AU
Charger output:	5V DC 2000mA
Charger connector:	USB Mini-B
Stored survey memory:	Up to 50

*Based on 20 surveys in each 24 hours with automatic power off enabled