▲PROMAX

HD RANGER *Revolutionising the market. Again.*

ACTUAL SIZE - 7" SCREEN (APPROX. 155 x 93 mm)

DEFAULT
17/05/2012 11:35

TV 2/3

LNB

80
70
60
50
40

dBµV

Power: 81.5 dBµV
C/N: 14.4 dB
MER: 13.6 dB
BCH ESR (0s):   0 %

MPEG2 TS locked: ASTRA 1

| 1020.00 MHz | DVB-S2 | ANIXE HD | deu |
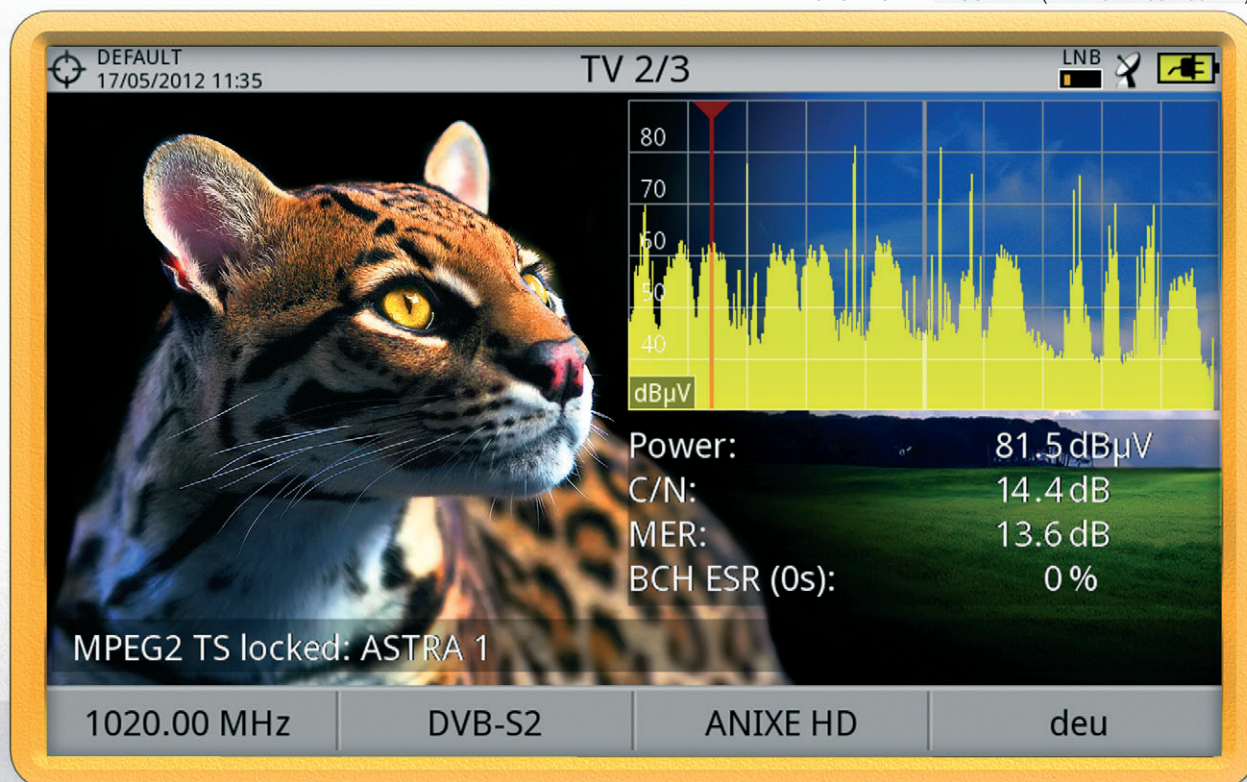
DVB T2/C2/S2   **DVB T/C/S**   **DOLBY DIGITAL PLUS**   **MPEG-4 HDTV**

The largest and brightest display

HD RANGER 7" display is the brightest and largest used in any similar meter with excellent performance even under direct sun light.

This high resolution display allows functions such as the **triple split display** to be practically useful for all data and can be read clearly and easily.

New mechanical design

The **ergonomic handle**, tripod coupling and the special mix of plastics used for the chassis are just some of the mechanical innovations in the **HD RANGER**.

The **tripod coupling** for example opens the door to the use of various accessories that can be easily found in the market to use the meter in a static position or attached to an object for complete hands-free use.

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HD RANGER *Unprecedented computing power*

Triple split display
three functions in a single screen

Triple split display

Because of the latest processing speeds available, which allow higher processing capability, the **HD RANGER** can display information on several screens at any single time. These screens can be either overlapped or shown in a split screen format.

Spectrum analyser

We present a new ultra fast spectrum analyser function with higher dynamic range, better accuracy and improved resolution.

	HD RANGER +	HD RANGER
DVB T2/C2	✓	
DVB S2	✓	✓
DOLBY DIGITAL PLUS	✓	
Optical measurements	○	○
3 GHz band extender	○	○

✓ Included   ○ Optional

Evolution? *No.*

Revolu

HD RANGER +

PROMAX

SPECTRUM 2/3

DEFAULT
17/05/2012 11:34

Channel: ------
DL: 10770.00 MHz

Power: 81.5 dBµV
C/N: 12.3 dB

MER: 13.6 dB
CBER: 7.5E-03
LBER: <1.0E-08

LNB SP

80
70
60
50
40
30
dBµV

ANIXE HD

Span: 500 M

MPEG2 TS locked: ASTRA 1

DVB-S2

Tools

Advanced

1020.00 MHz

F1   F2   F3   F4

tion!

Unprecedented **computing power** ▋

Three function split display

Dramatically fast **spectrum analyser** ▋

90 milliseconds sweep time in ALL spans

Largest and **brightest** **display on the market** ▋

7" 16/9 high resolution display

Intelligent **data management** ▋

Screens, measurements and data single file integration

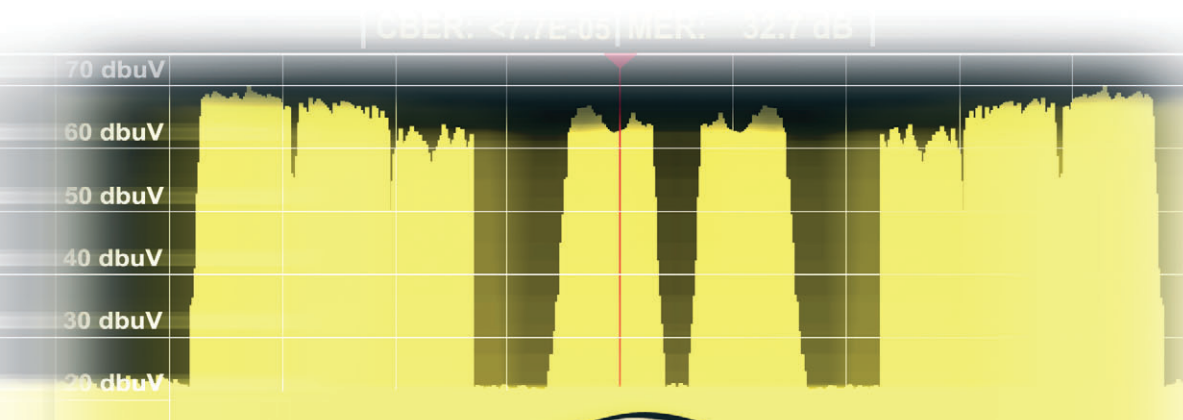# HD RANGER *Ultra fast spectrum analyser*

90 ms sweep time in ALL SPANs

The **HD RANGER** spectrum analyser sweep time is 90 ms per scan regardless of the frequency band or span select. That's all we can tell on printed paper but we encourage you to check the **video in our website** to see how fast that is or even better to go and find a real **HD RANGER** as soon as you can.

In addition it comes with special functions such as markers or max hold.

StealthID

There is a general consensus that the TV EXPLORER **AutoID** has been an outstanding function and extremely useful in a number of applications.

The **HD RANGER** takes it to the next level by **not requiring the user to press the green button**! The **HD RANGER** instantly identifies the required parameters while you are tuning the signal.

Scan me!

Span: 100 MHz

Ultra FAST spectrum
90 ms sweep time

Fibre optics option

Measurements of fibre optics systems are also possible with **HD RANGER** as an option. This option adds several optical functionalities: selective optical power meter and Optical-To-RF converter.
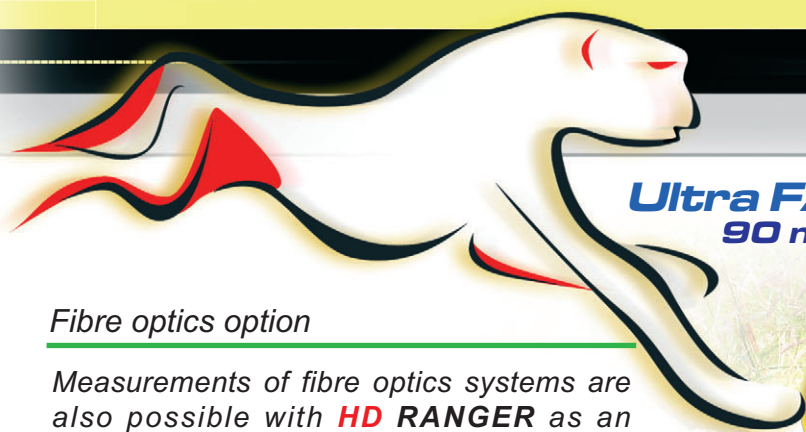
Optical LNBs
Work with optical LNBs just like conventional ones.

Selective OPM
Optical networks certification together with a light source.

Optical-To-RF conversion
For optical CATV or DTT links up to 1 GHz.

HD **RANGER** *Amazing features*

LTE Long Term Evolution

When a TV distribution system is interfered by a mobile phone cell the use of an LTE filter is recommended. The **HD RANGER** *has a variety of tools that allow you to compare the signal reception quality measurements on digital TV channels with and without the LTE filter. This is very helpful to anticipate the performance improvement you should expect on your TV distribution system well before you physically make changes to the cabling to insert the LTE filter.*

There are a large number of frequency bands allocated to LTE some of which are near or inside television bands. For instance band 5 (uplink 824-849 MHz; downlink 869-894 MHz) or band 3 (uplink 1710-1785 MHz; downlink 1805-1880 MHz). The **HD RANGER** *has special functions to help installers determine the level of activity in those frequency bands and therefore be able to anticipate potential interference problems.*

Intelligent data management

Create a container file for each installation and associate with it all the measurements, screen captures, channel tables, etc.

This information can be shared among various **HD RANGER**, *which can be interesting for companies operating large work crews.*

All this data can be downloaded on a PC at a later stage to be included in printed reports or for signal analysis purposes.
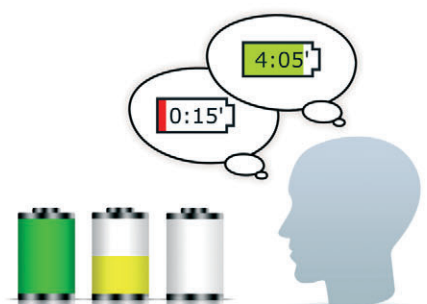
Smart battery control

The **HD RANGER** *uses a high quality, long operating time Li+ battery and a special control system that shows the remaining battery time. This is also useful to know at any instant what the exact battery charge situation is before we go out for our next work.*