

**THREE VALUABLE TOOLS  
Use it for Optical LNB,  
RFoG, FTTH, GPON...**

*This module incorporates filters suited for 1310 nm, 1490 nm and 1550 nm wavelengths thus allowing simultaneous and selective measurements for different applications, unlike other instruments.*



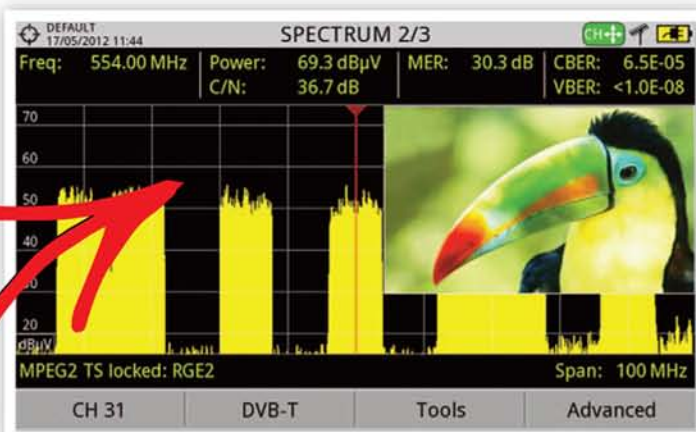
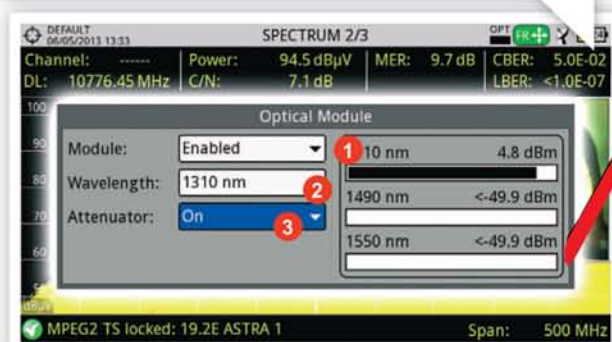
# Optical measurements

(optional)

## Selective Optical-to-RF converter

RFoG (Radiofrequency-over-Glass), as well as optical TV&SAT distribution, is used more and more by operators because it allows them to benefit from the advantages of fibre optics to compete with FTTH service providers. The RF signal at the converter output can be analysed, measured and decoded by the meter as one would usually do with any signal over copper wires.

- 1 Check which wavelengths are active in your system.
- 2 Select the wavelength to be converted into RF.
- 3 Set ON or OFF the built-in 15 dB attenuator of the field strength meter.



THREE IN ONE:  
**Selective power meter**  
**+ Selective optical converter**  
**+ 5 GHz aux RF input**

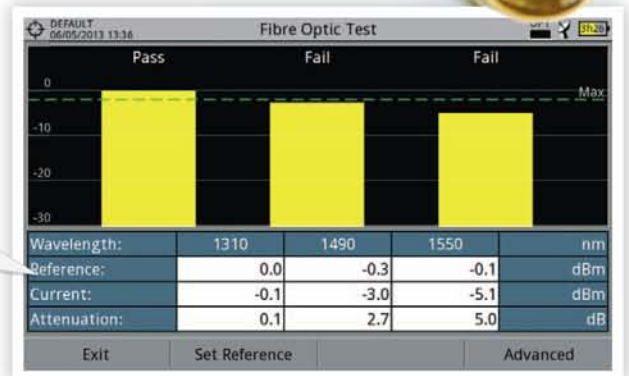


**... plus 5 GHz RF input!**

(optional)

### Selective optical power meter

The **HD RANGER 2** selective optical power meter combined with a portable triple laser source such as PROLITE-105 (sold separately) forms a complete Optical Loss Test Set to measure fibre attenuation. This is of great interest in live FTTH/GPON installations certification or even before they are in service.



### 5 GHz RF Auxiliary input

Exclusive to **HD RANGER 2**

The **HD RANGER 2** optical fibre option comes along with a 5 GHz RF auxiliary input which can be used among other applications for direct connection to optical LNBs with 5.4 GHz output. This RF input covers three bands:

- Band I      From 2150 MHz to 3000 MHz
- Band II     From 3400 MHz to 4400 MHz
- Band III    From 4400 MHz to 5400 MHz

