

## PROFESSIONAL

# DVB T2

## New Range 2012



- Real time spectrum
- 7" screen
- Long lasting lithium battery
- Full measurements for SAT, TV & cable signals

The new models

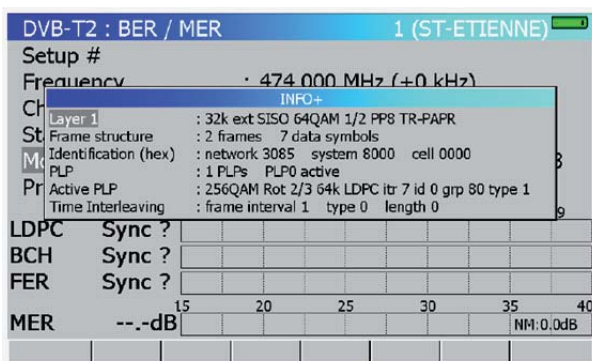
### HD - 87311T2

### HD - 87312T2

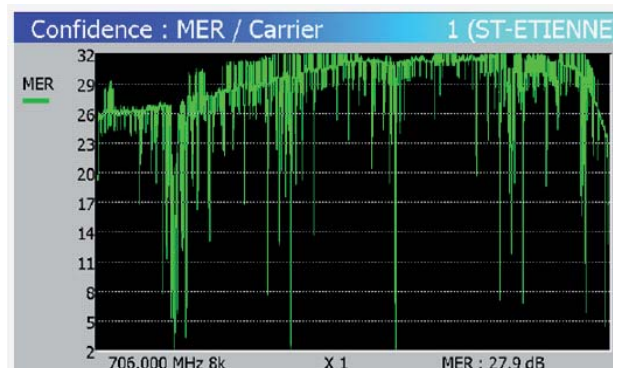
are endowed with a new tuner allowing reception, measure and display of DVB-T2 standard signals as well.

## Available functions for HD models only DVB T2

87311T2 and 87312T2



- **Display of the following measurements:**  
LDPC : pre LDPC error rate  
BCH : post LDPC error rate  
FER : frame error rate, post BCH error rate (lost packets)  
MER : modulation error rate
- **Info+ menu displays:**  
Level 1 structure – frame structure – various indicators – PLP numbers and selected PLP number – PLP structure – Time interleaving structure
- **DVB-T2 complete measurements**  
All PLP (Physical Layer Pipe) can be selected and measured



- **Confidence MER/carrier**  
This measurement embodies the confidence rate for each carrier for the demodulator DVB-T/H DVB-T2.
- **Echoes and pre-echoes measurements:**  
Real time echoes and pre-echoes measurements with guard interval display up to 85 Km. Zoom mode for each carrier (echo).
- **Constellation display**  
**DVB-T / DVB-T2 / DVB-S / DVB-S2.**  
Real time constellation display, zoom and up-date times.
- **All standard display of the TV – HD programs**

Selection guide	pro	pro+	pro-HD	pro-HD+
	87306	87307	87311T2	87312T2
Terrestrial - analogue and DVB-T (C-OFDM) full measurements in Sd and HD	★	★	★	★
Satellite - DVB-S / DVB-S2 (QPSK/8PSK)full measurements in Sd and HD	★	★	★	★
Cable: DVB-C/MCNS (QAM)full measurements from 45 MHz		★		★
Selectable measurements dB μV, dBmV, dBm or Volt	★	★	★	★
Real Time Spectrum: RAPID mode	★	★	★	★
Real Time Spectrum: EXPERT mode		★		★
Single path Spectrum display like spectrum analyzer		★		★
Automatic measurement: level/power C/N, bBER, aBER, UNC, MER, PER, N.M.	★	★	★	★
Manual measurements: level, delta frequencies, power, C/N		★		★
Scan mode. normal	★	★	★	★
Scan mode. Normal, maxHold, media, single, rapid		★		★
Direct min. and max frequency setting on the spectrum		★		★
Span values: 5, 10, 20, 50, 100, 200, 500, 820 MHz	★	★	★	★
dB/div values: 2, 5, 10 dB/div	★	★	★	★
Channel/stored frequencies selection on the spectrum	★	★	★	★
Constellation diagram DVB-T, DVB-S/S2, DVB-C with zoom	★	★	★	★
Real time ECHOES (DVB-T) measurement, with zoom up to 65 Km	★	★	★	★
Analogue/digital reflected isofrequency signal measurement	★	★	★	★
Constellation diagram DVB-T/T2, DVB-S/S2, DVB-C with zoom			★	★
Single or double feed satellite checksat mode	★	★	★	★
Single or double feed 4/8 polarities measurement at the same time	★	★	★	★
SCR (unicable) driver with automatic search up to 8 frequencies	★	★	★	★
TV programs in DVB-T, DVB-S and DVB-S2 free	★	★	★	★
TV programs in DVB-T, DVB-T2, DVB-S and DVB-S2 free in HD			★	★
Smart Card reader for encoded signals TV and SAT in SD and HD		★		★
Input and output of the audio/video signal	★	★	★	★
Wi-fi network measurements (optional)	★	★	★	★
DVB-T2 tuner			★	★
Real time echoes & pre-echoes (DVB-T/T2) measurement-zoom up to 85 Km			★	★
MER/carrier confidence measurement			★	★
Plano bag for PC + instrument	★	★	★	★

**pro-HD & pro-HD+ DVB T2**

For all your measurements analogue or digital, satellite and terrestrial.

**LIGHT:** compact and easy to handle, it weights 2,1 Kg only!

**STRONG:** protected by an anti-choc and dustproof bag, it has a waterproof front panel.

**TIRELESS:** 4 hour lithium battery which recharges in one hour. Also available the automatic switch off function.

**PROFESSIONAL:** level measure, C/N, FER, MER, PER, Noise Margin and Constellation for all modulations. QPSK, 8PSK, C-OFDM, MPEG-2 AND MPEG-4. Real time up to 16 echoes and preechoes measurement up to 85 Km distance, in DVB-T/T2. TV display in SD, HD and analogue in DVB-T/T2, DVB-C, DVBS/S2 free and encoded. Wi-Fi optional network.

**EASY:** function buttons, alphanumeric keyboard and ultra flat precision knob for direct access to all functions and data setting. All measurements are displayed with numbers and color symbols classifying the quality of the signal comparing it with the minimum and maximum reference values.

**IMMEDIATE:** pre-tuned with 30 satellites (20 frequencies)

**FAST:** spectrum analysis and real time measurements. Fast pointing of the dish even with double LNB with automatic acknowledgement of the received satellite. Simultaneous check up to 8 polarities in multiswitch systems.

**VERSATILE:** Audio/Video input for exterior sources (ex. Tele-cameras).

Dish pointing data reckoning for mono or multi feed dishes.

**MODERN:** 7" 16:9 color LCD backlit screen. HD signal format: fullHD program display (1920x1080i) with Digital Dolby audio. Smart card reader for access to encoded programs. Double USB 2 (A and mini B) and LAN socket (RJ45).

**INNOVATING:** Up-dates software, saves and uploads files and the desired configuration by USB key or from PC.

**EFFICIENT:** Key PC store is the software creating, saving and uploading either the instrument configuration or all the measurements (via USB or internet) to create Excel or text reports automatically. Key sat is the software to create satellite lists for Checksat mode.

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