

ALL THE FUNCTIONS YOU NEED, ALSO IN CATV CABLE SYSTEMS



en.televes.com/h30plus

H30D+

H30D+ is the new portable measurement tool to carry out the installation, monitoring and maintenance of cable networks, obtaining the best results even in DOCSIS 3.1 networks.



ADVANCED DOCSIS 3.1 MEASUREMENTS
Without missing a detail



SYSTEM SCAN
Without channel plan auto-learn



SERVICES AND IPTV ANALYZER
IPTV and RF services information



MULTISCREEN AND REMOTE CONTROL
Controllable from any Android or iOS device or a PC with H30Suite

H30D+

HIGHLIGHTS

- Advanced DOCSIS 3.1 Measurements
- Automatic monitoring and complete information of the desired channel
- With Wi-Fi, IPTV analyzers and HEVC display
- Multiscreen system with touch control
- Wireless connectivity
- Real-time digital processing
- Light-weight handheld meter
- User friendly interface
- Automatic parameter detection
- All measurements are carried out by pressing a single button equipped with Pass/Fail indicators



ADVANCED FUNCTIONALITIES:

Multiscreen and Remote control

Controllable from any Android or iOS device or a PC with H30Suite

The H30D+ multiscreen system allows you to display the meter's screen on your smartphone or tablet to wirelessly control the meter or just for the sake of working with a larger screen.

The installer may wirelessly access the equipment at any time from anywhere in the installation (depending on the local network connection range), with the convenience of always using his/her own device.

Simply install the H30Suite App (ref. 100016) on your device and connect it to the Wi-Fi network generated by the meter (AP mode).



Advanced DOCSIS 3.1 Measurements

Without missing a detail

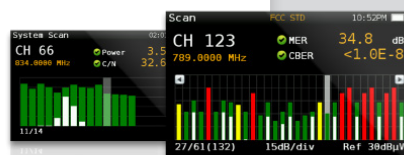
This function displays all the measurements for the DOCSIS OFDM channel. In addition to MER and level measurements, it also displays all the PLC and NCP measurements.

Docsis > D3.1 Advanced			06:18
ID	197	PLC Freq	850.0 MHz
834.0 - 1000.0 MHz		PLC lev	-3.3dBmV
Lev avg	-2.0dBmV	PLC MER	40.6 dB
Lev max	-1.1dBmV	PLC CWE	0.0
Lev min	-4.2dBmV	NCP CWE	0.0
MER avg	41.1 dB	A CWE Corr	1.4E-3
MER std	dB	A CWE Un	0.0
MER pctl	39.2 dB		

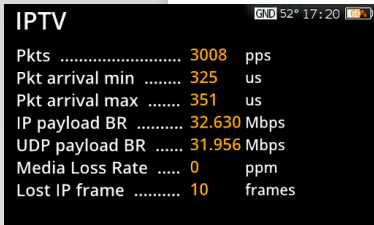
System scan

With channel plan auto-learn

Learn which channels are present in your distribution with the ultra-fast learning plan feature. Then select any stored plan and scan every existing analog and digital channel in real time to determine the overall frequency response of the system. The scan measurement leverages the location based thresholds to clearly show whether or not signal levels comply with the cable system's specifications by their green, yellow and red bar level indicators. This gives an easy-to-understand real-time view of the distribution, including the BER and MER values of the selected channel.



Services and IPTV Analyzer (*)



IPTV and RF services information

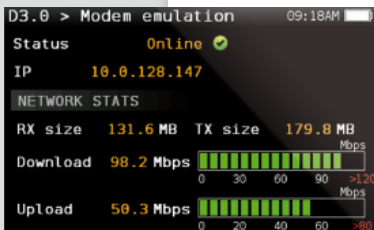
Allows the demodulation and analysis of IPTV streams (both Unicast and Multicast), not only through video display but also by displaying the total bitrate and bitrate for each service. The relevant information for each service is already given: SID, VPID, AID, video profile, bit rate for both audio and video.

In addition, this option completes the RF measurements since all this information by service is analysed as well for this type of signals.

For IPTV signals, specific protocol measurements (UDP/RTP) are also analysed, such as UDP format, Media Loss Rate, Lost IP frames.

(*) Optional feature depending on the model: 593251.

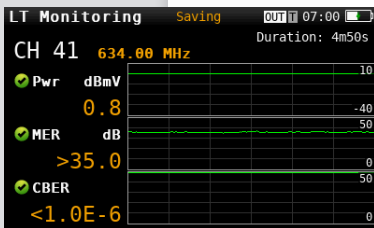
Modem Emulation



Building a bridge

This function sets the H30D+ to be used as a DOCSIS modem and to use it to give to another device a connection to the DOCSIS network via the H30D+'s ethernet port. This feature shows the connection status of the modem as well as the instantaneous speed and the size of the data sent through the modem.

Long term monitoring



Automatic monitoring of the desired channel

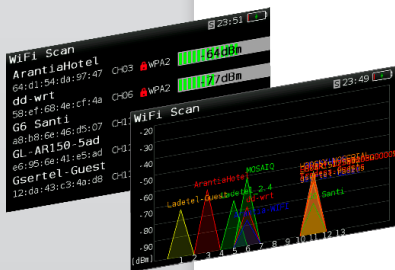
The H30D+ Long Term Monitoring Function allows the automatic monitoring of the selected channel. Once the time interval between two consecutive measurements has been selected, the H30D+ will automatically take all the measurements of the channel selected and store them in memory.

Wi-Fi Analyzer (*)

All bands (2.4 and 5 GHz)

This functionality allows a full analysis of the Wi-Fi band for the automatic detection of all the networks. Each of them is identified by name, and the power of the signal at the access point is also displayed. Two display modes are provided for the user to choose. The "list" mode provides a list of the detected networks with the associated data and power, while the "map" mode represents them on a dual-axis map: power vs. frequency.

(*) Optional feature depending on the model: 593250.



H30+ & H30D+ series:
How to choose the most convenient model?

	H30+	H30D+	H30D+ FULL
	Ref. 593980	Ref. 593981	Ref. 593985
Frequency range	5 ... 1002 MHz	5 ... 1220 MHz	5 ... 1794 MHz
Screen	2.8" TFT 400 x 240 full color	2.8" TFT 400 x 240 full color	2.8" TFT 400 x 240 full color
Multi-screen with touch control on mobile device	OK	OK	OK
Smartphone armband	OK	OK	OK
Wireless connectivity	OK	OK	OK
Ethernet interface	OK	OK	OK
USB interface	USB (A-type)	USB (A-type)	USB (A-type)
QAM digital measurements	OK	OK	OK
ATSC1.0 digital measurements	OK	OK	OK
ATSC3.0 digital measurements	-	-	OK
DOCSIS 3.1	-	OK	OK
Wi-Fi Analyzer	OK[*]	OK[*]	OK
IPTV analyzer	OK[*]	OK[*]	OK
HEVC displaying	on the meter	OK[*]	OK
	on the mobile device	OK[*]	OK
MPEG service information	OK	OK	OK
IP speed test	OK	OK	OK
Long Term Monitoring	OK	OK	OK
Management interface access (datalogs, channel plan...)	Wireless Ethernet cable	Wireless Ethernet cable	Wireless Ethernet cable
Dimensions (xyz)	175x100x52 mm	175x100x52 mm	175x100x52 mm
Weight	529 g	633 g	633 g
Color	Black & Grey	Black & Orange	Black & Orange

* Optional feature.

REF.	EAN	DESCRIPTIONS
593980	8424450238059	H30+: QAM+ ATSC 1.0
593981	8424450238066	H30D+ FULL: QAM + ATSC 1.0 + DOCSIS 3.1
593985	8424450238073	H30D+ FULL: QAM + ATSC 1.0/3.0 + DOCSIS 3.1



Download H30Suite to manage the H30 meter with your smartphone!

- Check and export stored measurements
- Access to quality profiles
- Check and edit channel plans
- Cloning of meter settings
- Real-time consultation of the user manual



FIND OUT ALL DETAILED INFORMATION AT:

h30dplus.televes.com/us