

ALL THE FUNCTIONS YOU NEED, ALSO IN FIBER OPTICS

H30 CRYSTAL

H30Crystal is the new portable and multi-standard spectrum analyzer, which completes the H30 range with powerful fiber optic functionality, present in all modern telecommunication infrastructures.

SERVICES AND IPTV ANALYZER

IPTV and RF services information



OPTICAL MEASUREMENTS

Accurate analysis for high-capacity networks



WI-FI ANALYSER

All bands (2.4 and 5 GHz)



MULTISCREEN AND REMOTE CONTROL

Controllable from any Android or iOS device or a PC



h30crystal.televés.com



H30 CRYSTAL

HIGHLIGHTS:

Optical measurements



This equipment is fitted with an optical receiver (selective or non-selective options) allowing to measure power and attenuation at wavelengths of 1310nm, 1490nm and 1550nm. Combining the selective option with the triple-light generator (OPS3L) is the right choice to certify many optical infrastructures.

The optical connector is SC/APC and the equipment comes with a kit including optical accessories making it more flexible with other types of connections.

Services and IPTV Analyzer (*)

IPTV	
Pkts	3008 pps
Pkt arrival min	325 us
Pkt arrival max	351 us
IP payload BR	32.630 Mbps
UDP payload BR	31.956 Mbps
Media Loss Rate	0 ppm
Lost IP frame	10 frames

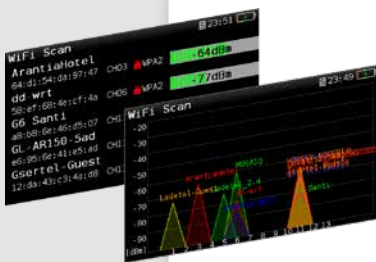
Allows the demodulation and analysis of IPTV streams (both Unicast and Multicast), not only through video display but also by displaying the total bitrate and bitrate for each service. The relevant information for each service is already given: SID, VPID, AID, video profile, bit rate for both audio and 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: Ref. 593251*

Wi-Fi Analyser (*)



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: Ref. 593250*

Multiscreen and remote control



The H30Crystal multiscreen system allows you to display the meter's screen on your smartphone or tablet to wirelessly control the equipment 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 WiFi network generated by the meter (AP mode).



MOREOVER

Multistandard: DVB-S/S2, DVB-T/T2, DVB-C, analogue channels and return path

Pass/Fail indicators to reduce installation errors

WiFi and Bluetooth connectivity

Wideband LNB supported

Guided satellite pointing

Real-time digital processing

Light-weight handheld meter

User friendly interface

HEVC display (optional feature)

			H30FLEX	H30EVOLUTION	H30CRYSTAL
Multi-standard customizable			OK	OK	OK
Frequency range	Return P.:	5-50 MHz	-	-	OK
	Terrestrial:	50-880 MHz	OK	OK	OK
	Satellite:	250-2400 MHz	OK (up to 2200MHz)	OK	OK
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
Smartphone armband			-	OK	OK
2.4 / 5GHz WiFi connectivity			-	OK	OK
WiFi analyzer			-	OK(*)	OK(*)
Bluetooth connectivity			-	OK	OK
Ethernet interface			OK	OK	OK
USB interface			USB (A-type)	USB (A-type)	USB (A-type)
Optical measures			-	-	OK
Guided satellite pointing			-	OK	OK
IPTV analyzer			-	OK(*)	OK(*)
LNB Wideband compatible			-	OK	OK
HEVC displaying	on the meter		-	-	OK(*)
	on the mobile device		-	OK(*)	OK(*)
Terrestrial input level to 120dB μ V			OK(**)	OK(**)	OK(**)
dCSS compatible			OK(**)	OK(**)	OK(**)
Management interface access (datalogs, channel plan...)			Ethernet cable	Wireless (WiFi/Bluetooth) Ethernet cable	Wireless (WiFi/Bluetooth) Ethernet cable
Dimensions (xyz)			175x100x52 mm	175x100x52 mm	175x100x52 mm
Weight			510 g	510 g	550 g
Color			Black & White	Black & Grey	Light & dark grey

* According to reference.

** Free activation of the options with the meter registration.

REF.	EAN	DESCRIPTIONS
593601	8424450237670	H30CRYSTAL: DVB-S/S2 + DVB-T, F.O.
593602	8424450237748	H30CRYSTAL: DVB-S/S2 + DVB-T/T2, F.O.
593603	8424450237755	H30CRYSTAL: DVB-S/S2 + DVB-C, F.O.
593604	8424450237762	H30CRYSTAL: DVB-S/S2 + DVB-T/T2 + DVB-C, F.O.
593621	8424450237786	H30CRYSTAL: DVB-S/S2 + DVB-T, Selective F.O.
593622	8424450237793	H30CRYSTAL: DVB-S/S2 + DVB-T/T2, Selective F.O.
593624	8424450237809	H30CRYSTAL: DVB-S/S2 + DVB-T/T2 + DVB-C, Selective F.O.
REF.	EAN	OPTIONS
593231	8424450186183	Option DVB-T
593232	8424450186190	Option DVB-T2
593233	8424450186206	Option DVB-C
593234	8424450186213	Option dCSS
593235	8424450186824	Option Extended Terrestrial Input up to 120dBμV
593236	8424450198421	Option Analogue A/V Display
593250	8424450207666	Option WiFi Analyzer
593251	8424450207673	Option IPTV Analyzer
593252	8424450211694	Option HEVC Display



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:

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