Televes H30EVOLUTION DVB-S/S2 + DVB-T/T2 + DVB-C including Wi-Fi, IPTV, AV and HEVC options

12MM-H30EVO-F

The H30EVO-F is a fully optioned lightweight, compact and robust piece of professional test equipment. Includes a full range of tools and functionalities to successfully perform installation, maintenance and troubleshooting tasks in both analogue and digital networks with DVB-S/S2, DVB-T/T2 and DVB-C. Featuring a multiscreen system based on Wi-Fi or Bluetooth, the meter may be remotely displayed and controlled using any Android or iOS device or a PC. 12MM-H30-CASE protective carry case included.

Features and Benefits

- Measures DVB-S/S2, DVB-T/T2 and DVB-C
- Wi-Fi, IPTV Analyser, HEVC and Audio/Video Analogue features included along with protective carry case (12MM-H30-CASE)
- Multiscreen and remote control through Android/iOS/PC using Wi-Fi or Bluetooth allowing remote monitoring, wireless control and channel editing
- Guided Satellite Pointing allowing for quick and accurate dish pointing
- Wideband satellite measurements to 2400MHz to suit stacked signals in dSCR and dCSS systems
- Included as standard all the great features and ease of use of the H30 range

Mechanical Specifications		
Screen	2.8" TFT 400x240 full colour	
Weight	510g	
Dimensions	175x100x52mm (HxWxD)	
AC Adaptor	Input: 100-240V ~ 50-60Hz output: 12VDC, 2A	
Battery	Li-ion (7,2VDC, 2300mAh)	
Battery Range	>4 hours without LNB powering	
Interfaces	Bluetooth, Wi-Fi 2.4GHz (5GHz upgrade 593250), Ethernet 1Gb USB 2.0 for data log download and software upgrades	
Storage Capacity	400MB (internal) for measurements	
Resilience	It withstands drops from 1m onto concrete on all sides	
Impedance	F-type connector - 75 Ohm	
Technical Specifications		
Frequency		
Range	Terrestrial: 50 - 880 MHz / Satellite: 950 - 2200 MHz / Wideband: 250 - 2300 MHz	
Resolution	125 kHz	
Tuning	Frequency or channel	
Spectrum Analyser		
Span	5, 10, 20, 50, 100, 200, 500 MHz and full	
Scale	5 and 10 dB/div	
Reference Level (Automatic and Manual)	Yes	
DVB-S Digital Measurements (Modulation: QPSK)		
Image		Yes
Power	From 45 to 110 dBµV	Yes
CBER	9.9E-2 - 1.0E-6	Yes
VBER	1.0E-4 - 1.0E-8	Yes
MER	Up to 20dB	Yes
C/N	Automatic	Yes
Constelation		Yes
SCR	EN 50494	Yes
dCSS	EN 50607	Upgrade 593234*
DVB-S2 Digital Measurements (Modulations: QPSK, 8PSK)		
Image		Yes
Power	From 45 to 110 dBµV	Yes
Link Margin	Up to 10dB	Yes

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MER	Up to 20dB	Yes
LDPCBER	9.9E-2 - 1.0E-6	Yes
BCHBER	9.9E-2 - 1.0E-8	Yes
Constelation		Yes
SCR	EN 50494	Yes
dCSS	EN 50607	Upgrade 593234*
DVB-T Digital Measurements (Modulations: COFDM (QPSK, 16QAM, 64QAM))		
Image		Yes
Power	From 45 to 110 dBµV	Yes
	From 45 to 120 dBµV	Yes | Upgrade 593235*
CBER	9.9E-2 - 1.0E-6	Yes
VBER	1.0E-3 - 1.0E-8	Yes
MER	Up to 35dB	Yes
C/N	Automatic	Yes
Echoes		Yes
Constelation		Yes
DVB-T2 Digital Measurements (Modulations: COFDM (QPSK, 16QAM, 64QAM and 256QAM))		
Image		Yes
Power	From 45 to 110 dBµV	Yes
	From 45 to 120 dBµV	Upgrade 593235*
LDPCBER	9.9E-2 - 1.0E-6	Yes
BCHBER	1.0E-3 - 1.0E-8	Yes
Link Margin	Up to 30dB	Yes
MER	Up to 35dB	Yes
C/N	Automatic	Yes
Echoes		Yes
Constelation		Yes
DVB-C Digital Measurements (Modulations: 16QAM, 32QAM, 64QAM, 128QAM and 256QAM)		
Image		Yes
Power	From 45 to 110 dBµV	Yes
	From 45 to 120 dBµV	Upgrade 593235*
CBER	1.E-2 - 1.0E-8	Yes
MER	Up to 38	Yes
C/N	Automatic	Yes
Analogue Measurements		
Level	25 to 125 dBµV	Yes
V/A		Yes
C/N		Yes

Measurements and Functions	
Analyser Wi-Fi	Yes
Analyser IPTV	Yes
Terrestrial Plans	CCIR, CCIR + LTE, OIRT, KBW, FCC, SIM plus Custom Plans
Satellite Plans	Regional plus Custom Plans
Units	dBµV, dBmV, dBm
LNB Powering	13, 18 Vdc
LNB Tone	22 kHz

* Ref. 593234 & 593235: Free upgrade when registering the equipment.