Televes H30EVOLUTION DVB-S/S2 + DVB-T/ T2 + DVB-C including Wi-Fi, IPTV, AV and **HEVC** options 12MM-H30EVO-E





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



Specifications

Specifications			
Mechanical Spec			
Screen	2.8" TFT 400x	240 full colour	
Weight	510	•	
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 Specifi	ications		
Frequency			
	Terrestrial: 50 - 880 MHz / Satellite:		
Range 950 - 2200 MHz / Widel		Wideband: 250 -	
range	2300 MHz		
Resolution	125 kHz		
Tuning	Frequency or channel		
Spectrum Analys			
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 Me	easurements (Modula	ation: 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*	
4033	LIN 30007	0 pgrude 333234	

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Section	DVB-S2 Digital M	leasurements (Modu	lations: QPSK,		
Power From 45 to 110 dBμV Yes Link Margin Up to 10dB Yes MER Up to 20dB Yes LDPCBER 9.9E-2 - 1.0E-6 Yes BCHBER 9.9E-2 - 1.0E-8 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 From 45 to 110 Yes dBμV 593235* CBER 9.9E-2 - 1.0E-6 Yes VBER 1.0E-3 - 1.0E-8 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 Yes BµV Yes Power From 45 to 120 Upgrade 593235*					
Power dBμV Yes Link Margin Up to 10dB Yes 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 From 45 to 110 Yes dBμV Yes Upgrade 593235* Yes 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 LDPCBER 9.9E-2 - 1.0E-6	Image		Yes		
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)) Yes Image Yes Yes From 45 to 110 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)) Yes Image Yes Power From 45 to 110 dBμV Yes Power From 45 to 120 dBμV Yes LDPCBER 9.9E-2 - 1.0E-6 Yes BCHBER 1.0E-3 - 1.0E-8 Yes Link Margin Up to 35dB Yes	Power		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 From 45 to 110 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)) Yes Image Yes From 45 to 110 dBμV Yes Power 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 35dB Yes Link Margin Up to 35dB Yes C/N	Link Margin	Up to 10dB	Yes		
SCHBER 9.9E-2 - 1.0E-8 Yes	MER	Up to 20dB	Yes		
Constelation Yes SCR EN 50494 Yes dCSS EN 50607 Upgrade 593234* DVB-T Digital Measurements (Modulations: COFDM (QPSK, 16QAM, 64QAM)) Image Yes From 45 to 110 dBμV Yes Upgrade 593235* CBER 9.9E-2 - 1.0E-6 Yes Upgrade 593235* CBER 9.9E-2 - 1.0E-6 Yes VBER 1.0E-3 - 1.0E-8 Yes C/N Automatic Yes Echoes Yes Constelation Yes DVB-T2 Digital Measurements (Modulations: COFDM (QPSK, 16QAM, 64QAM and 256QAM)) Yes Image Yes From 45 to 110 dBμV Yes Power 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 C/N Automatic Yes Echoes Yes	LDPCBER	9.9E-2 - 1.0E-6	Yes		
SCR EN 50494 Yes dCSS EN 50607 Upgrade 593234* DVB-T Digital Measurements (Modulations: COFDM (QPSK, 16QAM, 64QAM)) Image Yes From 45 to 110 dBμV Yes Upgrade 593235* CBER 9.9E-2 - 1.0E-6 Yes Upgrade 593235* CBER 9.9E-2 - 1.0E-6 Yes VBER 1.0E-3 - 1.0E-8 Yes C/N Automatic Yes Echoes Yes Constelation Yes DVB-T2 Digital Measurements (Modulations: COFDM (QPSK, 16QAM, 64QAM and 256QAM)) Image Yes From 45 to 110 dBμV Yes Power 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	BCHBER	9.9E-2 - 1.0E-8	Yes		
DVB-T Digital Measurements (Modulations: COFDM (QPSK, 16QAM, 64QAM))	Constelation		Yes		
DVB-T Digital Measurements (Modulations: COFDM (QPSK, 16QAM, 64QAM)) Image	SCR	EN 50494	Yes		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	dCSS	EN 50607	Upgrade 593234*		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	DVB-T Digital Measurements (Modulations: COFDM				
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	(QPSK, 16QAM, 64QAM))				
Yes Yes Upgrade dBμV 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)) Yes Image Yes From 45 to 110 dBμV Yes Power 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	Image		Yes		
From 45 to 120 Yes Upgrade 593235*	_		Yes		
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)) Yes Image Yes From 45 to 110 dBμV Yes Power From 45 to 120 dBμV 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	Power	From 45 to 120	Yes Upgrade		
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 From 45 to 110 dBμV Yes Power 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		dBµV	593235*		
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 From 45 to 110 dBμV Yes Power 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	CBER	9.9E-2 - 1.0E-6	Yes		
C/N Automatic Yes Echoes Yes Constelation Yes DVB-T2 Digital Measurements (Modulations: COFDM (QPSK, 16QAM, 64QAM and 256QAM)) (QPSK, 16QAM, 64QAM and 256QAM)) Image Yes 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	VBER	1.0E-3 - 1.0E-8	Yes		
Echoes Yes Constelation Yes DVB-T2 Digital Measurements (Modulations: COFDM (QPSK, 16QAM, 64QAM and 256QAM)) Image Yes From 45 to 110 dBμV Yes Power 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	MER	Up to 35dB	Yes		
Constelation Yes DVB-T2 Digital Measurements (Modulations: COFDM (QPSK, 16QAM, 64QAM and 256QAM)) Image Yes From 45 to 110 dBμV Yes 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	C/N	Automatic	Yes		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Echoes		Yes		
(QPSK, 16QAM, 64QAM and 256QAM)) Image Yes Power From 45 to 110 dBμV 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		
$\begin{array}{c} \text{From 45 to 110} \\ \text{dB}\mu\text{V} \\ \text{From 45 to 120} \\ \text{dB}\mu\text{V} \\ \\ \text{LDPCBER} \\ \text{9.9E-2 - 1.0E-6} \\ \text{BCHBER} \\ \text{1.0E-3 - 1.0E-8} \\ \text{Yes} \\ \\ \text{Link Margin} \\ \text{Up to 30dB} \\ \text{Yes} \\ \\ \text{MER} \\ \text{Up to 35dB} \\ \text{Yes} \\ \\ \text{C/N} \\ \text{Automatic} \\ \text{Yes} \\ \\ \text{Echoes} \\ \end{array}$	· ·				
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	Image		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	Power		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			Upgrade 593235*		
Link Margin Up to 30dB Yes MER Up to 35dB Yes C/N Automatic Yes Echoes Yes	LDPCBER	9.9E-2 - 1.0E-6	Yes		
MERUp to 35dBYesC/NAutomaticYesEchoesYes	BCHBER	1.0E-3 - 1.0E-8	Yes		
C/N Automatic Yes Echoes Yes	Link Margin	Up to 30dB	Yes		
Echoes Yes	MER	Up to 35dB	Yes		
	C/N	Automatic	Yes		
Constelation Yes	Echoes		Yes		
	Constelation		Yes		

DVB-C Digital Measurements (Modulations: 16QAM,				
32QAM, 64QAM, 128QAM and 256QA Image		Yes		
iiiage	From 45 to 110	1 63		
Power		Yes		
	dBµV			
	From 45 to 120	Upgrade 593235*		
	dΒμV	1,3		
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.