

# h30FLEX

MULTI STANDARD **HANDHELD METER**



LICENCED  
CUSTOMIZABLE  
OPTIONS



HD CHANNELS  
DISPLAY



SPECTRUM  
ANALYSER



MADE  
IN EUROPE



dCSS (SCR)  
COMPATIBLE

## ALL THE FUNCTIONS YOU NEED IN YOUR HAND

Choose the standards you're actually going to measure and only pay for the features you need.



100% Designed, Developed & Manufactured in Televes Corporation  
televescorporation ■ televes.com ■ televes@televes.com ■ h30flex.televes.com

**Televes**<sup>®</sup>

### DESCRIPTION

Televés keeps leading the way with this new meter, designed to meet the requirements of TV installers for both satellite and terrestrial signals.

H30Flex is a light-weight handheld meter packed with all of the features required to install and maintain TV systems using DVB-S/S2, DVB-T/T2 or DVB-C digital modulation as well as analogue channels.

Available for the first time in an economic product, digital processing brings installers the opportunity to take measurements with a high level of accuracy, essential to give the installer the peace of mind of a job well done.



### MAIN FEATURES

- Traffic light indicators (pass/fail) for the main quality indicators.
- All the features of more expensive meters included as: constellation, spectrum analyser, service id, etc.
- It allows pre-amplifier and LNB powering. Including both DiSEqC and dCSS (SCR) commands.
- Display the images offered on a digital channel (HD or SD).
- The parameters of the different modulations are automatically detected.
- Real-time digital processing of the signal.

SCAN TO WATCH VIDEO



A00393

EN.TELEVES.COM/H30FLEX

**DVB-T** **DVB-T2** **DVB-C** **DVB-S** **DVB-S2**

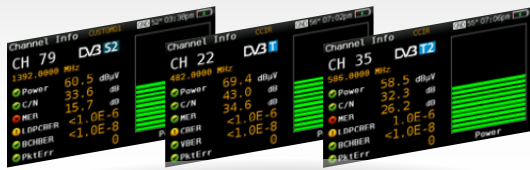
### HIGHLIGHTS

- Light-weight handheld meter.
- User friendly interface.
- Simplified use with only 8 buttons.
- Multi standard (DVB-S/S2, DVB-T/T2 and DVB-C).
- Traffic light system for all measurements.

CODE.	DESCRIPTION	EAN 13
593301	H30FLEX: DVB-S/S2 + DVB-T	8424450185346
593302	H30FLEX: DVB-S/S2 + DVB-T/T2	8424450185315
593231	UPGRADE DVB-T	8424450186183
593232	UPGRADE DVB-T2	8424450186190
593233	UPGRADE DVB-C	8424450186206
593234	UPGRADE dCSS	8424450186213
593235	UPGRADE DVB-T/T2 MAX. INPUT POWER (120dBµV)	

# MULTI STANDARD HANDHELD METER

## MAIN FUNCTIONS



### ▶ MULTI STANDARD

The equipment is capable of measuring DVB-S/S2 on the satellite band, but also DVB-T/T2 and DVB-C on the terrestrial band.

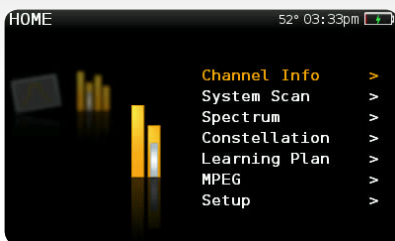


H30FLEX allows you to configure the parameters required for the reception of your satellite signal. To do so, it allows LNB powering, and activation of both DiSEqC and SCR commands.



### ▶ MPEG

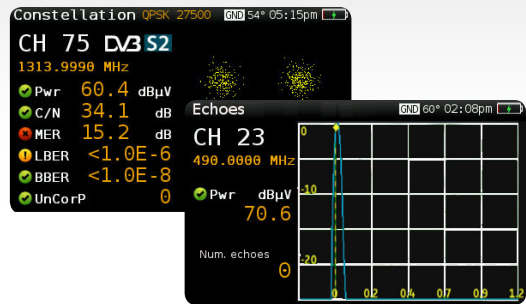
This function will show you the programs included on a DIGITAL channel. In addition to channel services display, you will also get key parameters such as: Service name, PID, resolution, audio types and figures, and NIT.



### ▶ USER FRIENDLY INTERFACE

Scrolling through the menu is now very easy, thanks to its single-level structure, which includes all the functions in a very intuitive way.

No function requires more than three successive button pushes to achieve the desired operation.



### ▶ CONSTELLATION & ECHO DIAGRAMS

Essential for determining the quality of the digital terrestrial signals!

Constellation diagrams help detecting noise, jitter, interference and signal saturation, and other parameters that could impact the quality of the signal.

It displays the echoes of the received signal, allowing the installer to minimize them for an optimal signal reception.



### ▶ SPECTRUM ANALYSER

The meter provides a wide range of SPAN options 5, 10, 20, 50, 100, 200, 500 MHz and Full, as well as a reference level auto-adjust feature.



### ▶ DATALOGS

You can save sample signal parameters for further in-depth analysis or just for your records and use in your reports. It can also prove to be a useful tool for training purposes.

		593303	593301	593302	593304
<b>Frequency</b>					
Range		50- 880 Mhz and 950- 2200 Mhz			
Resolution		125 Khz			
Tuning		Frequency or channel			
<b>Spectrum analyser</b>					
Span		5, 10, 20, 50, 100, 200, 500 MHz and Full			
Scale		5 and 10 dB/div			
Reference level (automatic and manual)		✓			
<b>DVB-S digital measurements [Modulation: QPSK]</b>					
Image		✓	✓	✓	✓
Power	From 45 to 110 dBµV	✓	✓	✓	✓
CBER	9.9E-2 – 1.0E-6	✓	✓	✓	✓
VBER	1.0E-4 – 1.0E-8	✓	✓	✓	✓
MER	Up to 20 dB	✓	✓	✓	✓
C/N	Automatic	✓	✓	✓	✓
Constellation		✓	✓	✓	✓
SCR   dCSS	EN 50494   EN 50607	✓   Upgrade 593234*			
<b>DVB-S2 digital measurements [Modulations: QPSK, 8PSK]</b>					
Image		✓	✓	✓	✓
Power	From 45 to 110 dBµV	✓	✓	✓	✓
Link Margin	Up to 10 dB	✓	✓	✓	✓
MER	Up to 20 dB	✓	✓	✓	✓
LDPCBER	9.9E-2 – 1.0E-6	✓	✓	✓	✓
BCHBER	9.9E-2 – 1.0E-8	✓	✓	✓	✓
Constellation		✓	✓	✓	✓
SCR   dCSS	EN 50494   EN 50607	✓   Upgrade 593234*			
<b>DVB-T digital measurements [Modulations: COFDM (QPSK, 16QAM, 64QAM)]</b>					
Image		Upgrade 593231	✓	✓	✓
Power	From 45 to 110 dBµV	Upgrade 593231	✓	✓	✓
	From 45 to 120 dBµV	Upgrade 593231 + Upgrade 593235*	✓   Upgrade 593235*	✓   Upgrade 593235*	✓   Upgrade 593235*
CBER	9.9E-2 – 1.0E-6	Upgrade 593231	✓	✓	✓
VBER	1.0E-3 – 1.0E-8		✓	✓	✓
MER	Up to 35 dB		✓	✓	✓
C/N	Automatic		✓	✓	✓
Echoes			✓	✓	✓
Constellation			✓	✓	✓
<b>DVB-T2 digital measurements [Modulations: COFDM ( QPSK, 16QAM, 64QAM and 256 QAM)]</b>					
Image		Upgrade 593231 + Upgrade 593232	Upgrade 593232	✓	✓
Power	From 45 to 110 dBµV	Upgrade 593231 + Upgrade 593232	Upgrade 593232	✓	✓
	From 45 to 120 dBµV	Upgrade 593231 + Upgrade 593232 + Upgrade 593235*	Upgrade 593232 + Upgrade 593235*	Upgrade 593235*	Upgrade 593235*
LDPCBER	9.9E-2 – 1.0E-6	Upgrade 593231 + Upgrade 593232	Upgrade 593232	✓	✓
BCHBER	1.0E-3 – 1.0E-8			✓	✓
Link Margin	Up to 30 dB			✓	✓
MER	Up to 35 dB			✓	✓
C/N	Automatic			✓	✓
Echoes				✓	✓
Constellation		✓	✓		
<b>DVB-C digital measurements [Modulations: 16QAM, 32QAM, 64QAM, 128QAM and 256 QAM]</b>					
Image		✓	Upgrade 593233	✓	✓
Power	From 45 to 110 dBµV	✓	Upgrade 593233	✓	✓
	From 45 to 120 dBµV	Upgrade 593235*	Upgrade 593233 + Upgrade 593235*	Upgrade 593235*	Upgrade 593235*
CBER	1.E-2 – 1.0E-8	✓	Upgrade 593233	✓	✓
MER	Up to 38	✓		✓	✓
C/N	Automatic	✓		✓	✓
<b>Analogue measurements</b>					
Level	25 and 125 dBµV	✓	✓	✓	✓
V/A		✓	✓	✓	✓
C/N		✓	✓	✓	✓
<b>Mechanical characteristics</b>					
Weight		510g			
Dimensions		175 x 100 x 52 mm / 6.9 x 3.9 x 2 in (H x W x D)			
AC adaptor		Input: 100-240V~ 50-60Hz Output: 12VDC, 2A			
Battery		Li-ion Battery(7.2VDC, 2300mAh)			
Battery range		>4hours without LNB powering			
Resilience		It withstands drops from 1 m (3.2 ft) onto concrete on all sides			
Storage capacity		400 MB (internal) for measurements			
Interfaces		USB 2.0 for Data log download and software upgrades			
<b>Measurements and functions</b>					
Terrestrial plans		CCIR, CCIR + LTE, OIRT, KBW, FCC, DAB, SIM			
Satellite plans		68E INTEL C, 68E INTEL, 42E TURK, 39E HELLAS, 33E EUTEL, 28E EUTEL, 28E ASTRA, 26E BADR, 25E EUTEL, 23E ASTRA, 21E EUTEL, 19E ASTRA, 16E EUTEL, 13E HOTB, 10E EUTEL C, 10 EUTEL, 9E EUTEL, 7E EUTEL, 4E ASTRA, 1W THOR5, 1W THOR6, 5W EUTELC, 5W EUTEL, 7W NILE, 30W HISPA, 48W AMZC, 48W AMAZ, SIM			
Units		dBµV, dBmV, dBm			
LNB powering		13, 18 Vdc			
LNB tone		22 KHz			

\* Free upgrade when registering the equipment (Upgrades are valued at £200 + VAT)