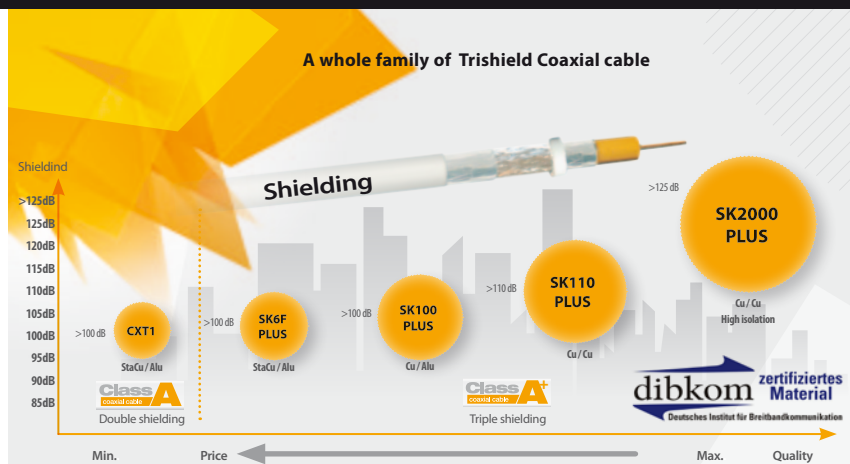


# INFO Televés®

BIMONTHLY NEWSLETTER • N°26 - OCTOBER 2014

FREE EDITION



## Quality options at a reasonable price

Televés has recently launched two new types of cables, SK100 and SK110. These two types meet A+ standards with ease and therefore are a good choice for transmitting multimedia content, as well as used in those installations return channel, SATV and/or collective systems.

Their inner conductor is made of copper and they're trishielded. The average screening attenuation is about 100 and 110 dB, respectively. This ensures a high protection against interferences. Both cable's structure and the raw materials used guarantee the best electric/mechanical features. Along with CXT1 (2127xx), SK6F (4148xx) and, of course, TOP-SK2000(4138xx) these two new references complete the range of Televés' high quality/affordable price range.

SK2000 has recently been verified by the German agency DIBKOM, again emphasizing the excellent features of this cable.

The wide range of possibilities of Televés' products will allow to connect the cable in the safest way. Installing the plugs without the need of any tools is possible when using the robust FSI2000 (382701) connector.

Parallel to this, Televés has also launched a set of coaxial cable reels + decoiler for all the 100/250m SK range ■

THE SK2000PLUS CABLE HAS RECENTLY BEEN CERTIFIED BY DIPKOM

### AND ALSO...



Can I use different Coaxdata versions in the same facility/system?

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### NEW PRODUCT

Smart apps.



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televés.com

### MEETING POINT

Visit us at:



### OCTOBER

30	ALTRADE TRADESHOW Surrey	United Kingdom
21-24	CABLE TEC Denver (Colorado)	USA

## IBC

(Amsterdam) 12-16 September



TRedess ensures its position in the international market. The new range "Fourth Series" was officially launched this year; it includes a new architecture that allows to deliver higher power to both transmitters and gap-fillers.

## SCTE CableTEC

(Denver) 22-25 September



Televes has seized this annual date to introduce the new H30D30 field meter which features DOCSIS 3.0 and also it's presented the new ClearQAM encoders.

## THE HOTEL SHOW

(Dubai) 28-30 September



Televes's highlighted the significant growth of the Hospitality sector within the area. It was also the occasion to launch the new Nemesis Set Top Box, designed and manufactured by Televes specifically for the hospitality needs ■



## FAQs

### Can I use different Coaxdata versions in the same facility/system?

All the Coaxdata devices are fully compatible

#### THE EXPERT'S OPINION

All the Coaxdata devices are fully compatible. The new CoaxData Gigabit devices can operate in those systems where older versions of CoaxData (200 Mbps) are already installed. The only point to be careful with will be the Transmission Mask, since it shall be the same in every device.

By default, CoaxData 200 Mbps devices use "Mask1" and CoaxData 1Gbps use "Mask3".

As shown in the image below, the CoaxData Manager software can be used to choose between the transmission masks ■



More information on  
[televes.com](http://televes.com)

Javier Esteban  
Technical Assistant Manager

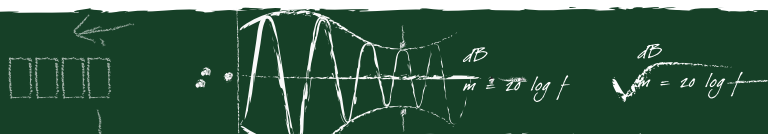


## YOUR PICTURES



### A very uncommon common area

Andrew Brace from "GB Satellite Installations", South Africa, sends us this odd image. Strangely enough, there is a reason for it: there were no more common areas within this 50 apartment complex than the gardener's lavatory. Rumour has it that the TV channels change whenever someone flushes the toilet ■



## Televes completes its range of field meters with the new H30D3

*H-Series, the high-end professional solution for every purpose.*



With the new H30D3 Televes completes its full range of field meters, to fit every purpose along with the already known H45 and H60.

Specially designed for cable operators, this meter can measure both analog/digital, audio/video signals. It can also measure DOCSIS 1.0, 1.1, 2.0, 3.0, BPI and PBI+. As in the rest of HSeries, these measures can be set automatically or manually.

Among many features, with the H30D3 you can perform level measures, MER, Pre

and Post BER and speed tests of DOCSIS channels.

It has a 2,8 inch display that features an intuitive user interface and also the already known "Traffic Light" to interpret the results. If the device is connected to the Internet, it'll automatically download the latest software to keep updated.

Another remarkable feature is its robust, injection-moulded ABS casing, a weight of 510gr and measures 175x100x52mm.

The display provides a resolution of 400x200 pixels.

This small sized, light meter can be used with only 3 keys and a capacitive touch button.

This small sized, light meter can be used with only 3 keys and a capacitive touch button ■

### H45

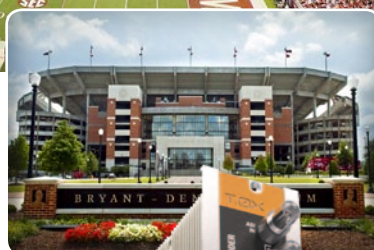
### H60

Item		H45E	H45E-OR	H45E-ORS	H45E-T2	H45E-T2-OR	H45E-T2-ORS	H60A	H60A-OR	H60-O	H60A-OR-RJ45-GPS	H60A-O-RJ45
Reference		599020	599022	599023	599021	599024	599025	596003	596004	596005	596006	596007
SAT	DVB-S/S2 SD/HD + Image Measures	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	DVB-C (analogue and digital) + Image	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CABLE	TILT & CTB/CSO & HUM	-	-	-	-	-	-	✓	✓	✓	✓	✓
	DVB-T & FM + Image	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TERRESTRIAL	DVB-T2 + Image	OPT.	OPT.	OPT.	✓	✓	✓	✓	✓	✓	✓	✓
	RETURN CHANNEL MEASURES	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
OPTICAL	Optical Receiver	OPT.	✓	-	OPT.	✓	-	OPT.	✓	-	✓	-
	Selectable Optical Receiver	OPT.	-	✓	OPT.	-	✓	OPT.	-	✓	-	✓
CAM Descrambling (CI)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Extended spectrum 3,3 GHz		OPT.	OPT.	OPT.	OPT.	OPT.	OPT.	OPT.	✓	✓	✓	✓
PLUGS	Ethernet (Remote control)	-	-	-	-	-	-	OPT.	OPT.	OPT.	✓	✓
	GPS	-	-	-	-	-	-	OPT.	OPT.	-	✓	-
	USB & HDMI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SD card	-	-	-	-	-	-	✓	✓	✓	✓	✓
	Mini DIN	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-



## TELEVES FACILITIES

### Bryant-Denny Stadium (Alabama - USA)



After a recent expansion of the University of Alabama football stadium, officials selected Televes' Clear QAM HD Encoders to provide in house television distribution for over 1100 televisions. With 14 channels of critical digital signage and 10 channels of full HD content to be distributed throughout the entire stadium, the system was needed to be fully functional in short order before game day.

Officials say with the easy setup, top quality picture, and MSO grade RF output, this speedy and on-time installation was a great success. Everyone was very pleased with the Televes installation and the fact that this was accomplished with such little effort and on such a tight schedule. Beyond the highly successful installation, Televes saved game day, with over 101,000 fans pouring into the stadium, and all the TV's on before the game, a problem occurred on the distribution plant just one hour before kick-off. Two virtual channels, on a single RF channel, were apparently being interfered with.

The stadium team, with the spectrum analyzer on a Televes H45, was able to quickly find that the culprit was a wireless head-phone system on the same frequency and the stadium team was able to eliminate

this source of interference making sure all of the fans had a great TV and digital signage viewing experience throughout the stadium. Officials were thrilled that Televes "scored twice" and saved the day for all their fans ■

**DID YOU KNOW..?**

*...the manufacture of masts was not always an easy process?*

*In the early 60s, Televes needed to use specific machines to reduce the diameter of the ends of a mast and fit them into the next section. This process was very intense physically: the vibrations and shocks produced were so strong that the worker who was operating with the machine was forced to use a belt strap and anchor himself to it, to prevent the powerful backward force from loosening the mast ■*



## IDEAS

### How to create .ts videos with TSCreator to use with Digimod Modulator Ref. 554902/552912

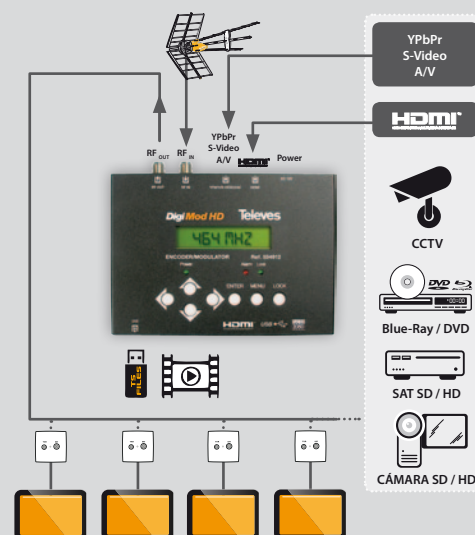


Ref.554912

One of the best valued points of this range of modulators is the possibility of streaming video/audio files from a **USB source**, modulated into a DTT multiplex.

To use this feature, the software tool TSCreator is required, which is available to download from Televes' website (version 1.1.7.22).

This version also includes an important highlight: the user can replace the previous modulated channel (either A/V or HDMI) for the one from the USB source without the need of rescan to get the new channel.



Application example

A brief explanation of how to use it and the necessary software is available at:

<http://www.televes.com/en/content/tscreator-v1127-software> ■



# Televes manufactures...



$\theta \times 45^\circ (= 360^\circ)$

## The underestimated role of the outer housing

In a highly technological device, such as the **H30**, field spectrum analyser, it is easy to focus the attention on the features provided by the Digital Processing capabilities, or to focus the value on the small size and light weight of the tool, but Televes has also invested much research on the role that the outer housing and cover has to provide to the end user.

The challenge is to achieve a plastic finish that will meet stringent design specifications, protection, grip and sensitivity. It is very difficult to find a single plastic material with these characteristics, so Televes incorporates a **double-injection technique in the manufacturing process**. To a first injection layer of ABS an additional layer of PP-EPDM is added. This material is thermoplastic and has an elastic structure that is specifically formulated by Televes to obtain the perfect fusion between the two layers injected.

The result is a finished design that protects the valuable electronics within the H30 from bumps and small falls, allowing good recovery of the deformation caused by impact. The finished product fits perfectly in the hands of the installer with a rubbery touch and superior grip ■



# Televes Smart Apps

Take under control all your facilities  
using your mobile device



Download the Smart Apps of Televes for free

Configure your T0X modules with the free Televes Smart Apps  
from your tablet or smartphone whilst saving time spent.

**You can also leave your H30 meter connected to a headend and configure it remotely.**



Basic configuration on smartphones and advanced configuration on tablets.  
Please consult the list of compatible references on: [www.televes.com/en/catalogo/SmartApps](http://www.televes.com/en/catalogo/SmartApps)



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