

Televés Tablet Style Handheld Digital Signal Meter for DVB-T/T2, DVB-C and DVB-S/S2 12MM-MOSAIQ6



MOSAIQ6 provides technicians with a powerful tool, capable of measuring, analysing, and diagnosing return channel, radio, DAB/DAB+, Analogue TV, DVB-T/T2, DVB-S/S2 and DVB-C, optical fibre, Wi-Fi or IPTV signals, no matter how complex the scenario. MOSAIQ6 is equipped with an ultra-fast high-resolution spectrum analyser, which, together with the echo-analysis functionalities, allows the display of any significant aspect of the signal.

Features and Benefits

- » Multifunction signal analysis compliant with DVB-T, DVB-S/S2, (Measures >2400MHz) DVB-C, FM, DAB/DAB+ and Analogue signals, Wi-Fi and IPTV, Optical tests on 1310nm, 1490nm and 1550nm and 3.3GHz spectrum analyser
- » Allows the demodulation and analysis of IPTV streams (both Unicast and Multicast), not only through video display but also by displaying the total bit rate and the relevant information for each service: SID, VPID, AID, video profile, bit rate for both audio and video.
- » Ultra fast data logging for all DVB-T/T2, DVB-S/S2 and DVB-C meaning less time spent by a technician in commissioning a system. Li-ion (7.2 VDC, 9,000mAh) easily swappable in the field for long lasting operation.
- » Featuring multiple interfaces - Ethernet, USB, HDMI, audio output (Jack), FC/APC optical fibre connector, GPS antenna connector.
- » 8" TFT touch screen allowing full customisation of multiscreen display and layout of measurement windows
- » Professional spectrum analyser with ultra-fast digital processing (sweep time < 10 ms) and high dynamic range (> 50 dB). Equipped with advanced functions for the detection and analysis of signals in the 5 MHz to 3,300 MHz (waterfall, event triggers, markers, user configurable RBW and VBW, etc.).



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12MM-MOSAIQ6



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12MM-MOSAIQ6 Specifications

General	
Display	8" Touch Screen TFT 1024x768 Full Colour
Weight	2150g
Dimensions	250x210x60mm (HxWxD)
Power supply	Input: 100-240V~ 50-60Hz
Output: 24VDC, 4A	
Battery	Li-ion (7,2VDC, 9000mAh). Field-swappable
Operating time	>4 hours
Operating temperature	-5°C to 45°C
Storage temperature	-20°C to 70°C
Humidity	5% to 95% without condensation
Interfaces	ETH, USB, HDMI, Audio Out (Jack), FC/APC optical fibre connector, GPS antenna connector
Storage	32 Gb
Frequency	
Range	5 - 3300 MHz
Accuracy	1 kHz
Tuning	Frequency or channel
Input	
Impedance	50 Ohm
Spectrum Analyzer	
Span	100 KHz, 1, 5, 10, 20, 50, 100, 200, 500 MHz, 1.0, 2.0 and 3.3 GHz. Other (any value between 100 KHz and 3.3 GHz)
RBW	500 Hz, 1, 3, 5, 10, 30, 50, 100, 300, 500 KHz, 1, 3, 5 MHz
Marks	Up to 4, with delta feature
Event trigger	Yes
Waterfall	Yes
Hold feature	Maximum and minimum
Reference level	Automatic and manual
Digital measurements DVB-T	
Modulations	COFDM (QPSK, 16QAM, 64QAM)
Power	20 - 128dBuV
CBER	9.9E-2 - 1.0E-6
VBER	1.0E-3 - 1.0E-8
MER	Up to 40dB
C/N	Up to 52dB
Echoes	Yes

MER by carrier	Yes
Constellation	Yes
Uncorrectedpackets	Yes
TILT	Yes
Attenuation	Yes
Digital measurements DVB-T2	
Modulations	COFDM (QPSK, 16QAM, 64QAM and 256QAM)
Power	20 - 128dBμV
LDPCBER	9.9E-2 - 1.0E-6
BCHBER	1.0E-3 - 1.0E-8
Link Margin	Up to 30dB
MER	Up to 40dB
C/N	Up to 52dB
Echoes	Yes
MER by carrier	Yes
Constellation	Yes
Uncorrectedpackets	Yes
TILT	Yes
Attenuation	Yes
Multiple PLP	Yes
Digital measurements QAM (Annex A/B/C)	
Modulations	4QAM, 16QAM, 32QAM, 64QAM and 256QAM
Power	20 - 128dBμV
BER	1.2E-3 - 1.0E-8
MER	Up to 40dB
C/N	Up to 52dB
Constellation	Yes
Uncorrectedpackets	Yes
TILT	Yes
Attenuation	Yes
Digital measurements DVB-S	
Power	20 - 128dBμV
CBER	9.9E-2 - 1.0E-6
VBER	1.0E-4 - 1.0E-8
MER	Up to 20dB
C/N	Up to 30dB
Constellation	Yes
Uncorrectedpackets	Yes
TILT	Yes
Attenuation	Yes
Digital measurements DVB-S2X	
Modulations	QPSK, 8PSK
Power	20 - 128dBμV
Link Margin	Up to 10dB
MER	Up to 20dB

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C/N	Up to 30dB
LDPCBER	9.9E-2 - 1.0E-6
BCHBER	9.9E-2 - 1.0E-8
Constellation	Yes
Uncorrectedpackets	Yes
TILT	Yes
Attenuation	Yes
Multi TS	Yes
PLS scrambling	Yes
Digital measurements DVB-S2	
Modulations	QPSK, 8PSK, 8APSK, 16 APSK & 32 APSK
Power	20 - 128dBµV
Link Margin	Up to 10dB
MER	Up to 20dB
C/N	Up to 30dB
LDPCBER	9.9E-2 - 1.0E-6
BCHBER	9.9E-2 - 1.0E-8
Constellation	Yes
Uncorrectedpackets	Yes
TILT	Yes
Attenuation	Yes
Multi TS	Yes
FM Measurements	
Level	Yes
C/N	Up to 52dB
RDS	Yes
DAB/DAB+ Measurements	
Power	De 20 - 128 dBµV
MER	Up to 20 dB
C/N	Up to 30 dB
BER	9.9E-2 - 1.0E-6
Analog Measurements	
Level	20 - 128dBµV
V/A	Up to 52dB
C/N	Up to 30dB
CTB, CSO, HUM	Yes
Features	
Up to 6 widgets user-customizable	Yes
System Scan with measurements and learning plan	Yes
LTE check	Yes
MPEG2, MPEG4 Full HD Channels visualization	Yes

Info MPEG	SID, VID, AID, Resolution, Profile , Audio Bitrate, Video Bitrate, Resolution info
IPTV Analyzer	Yes
Wifi Analyser	2,4 GHz and 5 GHz
Units	dBµV, dBmV, dBm
Preamp powering	
Preamp powering	5,13, 18, 24Vdc and other (any value between 5 and 24V)
Maximum supplied power	12 W
Maximum supplied current	900 mA
LNB Tone	22 KHz
DiSEqC	Yes
SCR dCSS (EN50494 EN50607)	Yes