



→ www.ftemaximal.com

Digital TV Analyzers

- ✓ **Light:** < 2,5 kg.
 - ✓ **Compact:** 280x200x75 mm
 - ✓ **Powerful*:** 8PSK / QPSK / COFDM / QAM
- * Medium range of mediaMAX MINI from 1.495 euros

mini

mediaMAX



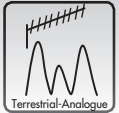
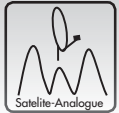










	mediaMAX MINI S	mediaMAX MINI S2	mediaMAX MINI ST	mediaMAX MINI S2T
Code	3001020	3001022	3001024	3001026
Frequency	950 - 2150 (MHz)	950 - 2150 (MHz)	47-862 and 950-2150 (MHz)	47-862 and 950-2150 (MHz)
Input Impedance	75 Ohms	75 Ohms	75 Ohms	75 Ohms
Measurement Range	20 dBuV to 130 dBuV	20 dBuV to 130 dBuV	20 dBuV to 130 dBuV	20 dBuV to 130 dBuV
Digital Standards	QPSK	8 PSK / QPSK	QPSK / COFDM	8 PSK / QPSK / COFDM/ QAM emuled
Analogue Measurements	Level, Video/Audio, C/N, synchronism impulse	Level, Video/Audio, C/N, synchronism impulse	Level, Video/Audio, C/N, synchronism impulse	Level, Video/Audio, C/N, synchronism impulse
Digital Measurements	Channel Power, BER, MER, Total Errors, C/N, Quality	Channel Power, BER, MER, Total Errors, C/N, Quality, measurement Channels DVB-S2	Channel Power, BER, MER, Total Errors, C/N, Quality	Channel Power, BER, MER, Total Errors, C/N, Quality, measurement Channels DVB-S2
Spectrum	Logarithmic	Logarithmic	Logarithmic	Logarithmic
Analogue Picture	Yes	Yes	Yes	Yes
Digital Picture	Yes	Yes (QPSK)	Yes (QPSK / COFDM)	Yes (QPSK / COFDM)
Constellation Diagram	No	Yes (QPSK / 8PSK)	No	Yes (QPSK / 8PSK)
Spectrum Position	Horizontal	Horizontal	Horizontal	Horizontal
Dynamic Range	50 dB	50 dB	50 dB	50 dB
Resolution Filters	2,5 MHz, 1 MHz, 250 KHz	2,5 MHz, 1 MHz, 250 KHz	2,5 MHz, 1 MHz, 250 KHz	2,5 MHz, 1 MHz, 250 KHz
Monitor	TFT 5" colour	TFT 5" colour	TFT 5" colour	TFT 5" colour
Interfaces	USB 2.0/ (IN-OUT A-V)/ RS-232	USB 2.0/ (IN-OUT A-V)/ RS-232	USB 2.0/ (IN-OUT A-V)/ RS-232	USB 2.0/ (IN-OUT A-V)/ RS-232
Data-Logger	Yes	Yes	Yes	Yes
Battery Duration	2,5 hours without LNB	2,5 hours without LNB	2,5 hours without LNB	2,5 hours without LNB
Dimensions (mm)	280 x 200 x 75 + transport bag	280 x 200 x 75 + transport bag	280 x 200 x 75 + transport bag	280 x 200 x 75 + transport bag
Weight (Kg)	with bag 2,5	with bag 2,5	with bag 2,5	with bag 2,5
Battery	Li-Ion	Li-Ion	Li-Ion	Li-Ion
Decoder MPEG-2	Included	Included	Included	Included
Feeding LNB	13V, 18 V, 13 V+22 KHz, 18 V+22 KHz	13 V, 18 V, 13 V+22 KHz, 18 V+22 KHz	13 V, 18 V, 13 V+22 KHz, 18 V+22 KHz	13 V, 18 V, 13 V+22 KHz, 18 V+22 KHz
DiSEqC	System 1.2	System 1.2	System 1.2	System 1.2
Battery Charger	20 V / 2,5 A	20 V / 2,5 A	20 V / 2,5 A	20 V / 2,5 A
Rec. Price Euros	1.495,00	1.895,00	2.195,00	2.595,00



- 108** mediaMAX EVO
- 109** mediaMAX EVO S2
- 110** Upgrading mediaMAX EVO to mediaMAX EVO S2
- 110** Software Data-Logger
- 111** mediaMAX MINI

mediaMAX EVO S2



 Terrestrial-Analogue	<input checked="" type="checkbox"/> Picture <input checked="" type="checkbox"/> Spectrum <input checked="" type="checkbox"/> Meas.	 Satellite-Analogue	<input checked="" type="checkbox"/> Picture <input checked="" type="checkbox"/> Spectrum <input checked="" type="checkbox"/> Meas.	 DVB-S2	<input checked="" type="checkbox"/> Picture <input checked="" type="checkbox"/> Spectrum <input checked="" type="checkbox"/> Meas.	 DVB-H	<input checked="" type="checkbox"/> Detector	 Constellation	<input checked="" type="checkbox"/> 8 PSK <input checked="" type="checkbox"/> QPSK <input checked="" type="checkbox"/> QAM	 Auto-Scan	<input checked="" type="checkbox"/> Yes Band and Channel
 DVB-T	<input checked="" type="checkbox"/> Picture <input checked="" type="checkbox"/> Spectrum <input checked="" type="checkbox"/> Meas.	 DVB-S	<input checked="" type="checkbox"/> Picture <input checked="" type="checkbox"/> Spectrum <input checked="" type="checkbox"/> Meas.	 DVB-C	<input checked="" type="checkbox"/> Picture <input checked="" type="checkbox"/> Spectrum <input checked="" type="checkbox"/> Meas.	 REC STREAM	<input checked="" type="checkbox"/> Yes	 Datalogger	<input checked="" type="checkbox"/> Yes	 Radio	<input checked="" type="checkbox"/> Yes

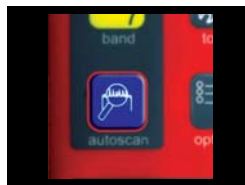


PEAK HOLD Function Only in S2

With the **Peak Hold** function, you will be able to detect punctual interferences which could affect to our signal. It's important to highlight that thanks to its extended band spectrum (5-862 and 863-2150 MHz) you can analyze the interferences caused by the GSM signals.

Multiple Viewing

mediaMAX EVO admits the simultaneous viewing of different windows in the same screen. You can easily select if you want to see the spectrum, the picture, the measurements, and the combination of three or all of them at the same time.



Autoscan in Band & Channel

Function with direct access button. It will carry out a search in the band or in the channel. Because of this function, you will automatically detect the channels in the tracking band.

Measurement of the Constellation in QAM/QPSK/8PSK

mediaMax EVO S2 allows us to view of the constellation in QPSK and 8 PSK signals. The constellation in QAM for modulations of 16QAM, 32QAM, 128QAM and 256 QAM is available in both models.



110. Field Strength Meters

mediaMAX EVO series



Reference	mediaMAX EVO	mediaMAX EVO S2
Code	3001004	3001006
Frequency	5-862 and 900-2150 (MHz)	5-862 and 863-2150 (MHz)
Input Impedance	75 Ohms	75 Ohms
Measurement Range	20 dBuV to 130 dBuV	20 dBuV to 130 dBuV
Digital Standards	QPSK / COFDM / QAM	8 PSK / QPSK / COFDM / QAM
Analogue Measurements	Level, Video/Audio, C/N, synchronism impulse	Level, Video/Audio, C/N, synchronism impulse
Digital Measurements	Channel Power, BER, MER, Total Errors, C/N, Quality	Channel Power, BER, MER, Total Errors, C/N, Quality, Measurement Channels DVB-S2
Spectrum	Logarithmic	Logarithmic
Analogue Picture	Yes (Terrestrial / Satellite)	Yes (Terrestrial / Satellite)
Digital Picture	Yes (COFDM / QAM / QPSK)	Yes (COFDM / QAM / QPSK)
Constellation Diagram	Yes (QAM)	Yes (QAM / QPSK / 8PSK)
Spectrum Position	Horizontal	Horizontal
Dynamic Margin	50 dB	50 dB
Resolution Filters	2,5 MHz, 1 MHz, 250 KHz	2,5 MHz, 1 MHz, 250 KHz
Monitor	TFT 5" colour	TFT 5" colour
Interfaces	USB2.0/ (IN-OUT A-V)/ RS-232	USB2.0/ (IN-OUT A-V)/ RS-232
Data-Logger	Yes	Yes
Battery Duration	4,5 hours without LNB	4,5 hours without LNB
Dimensions (mm)	280 x 130 x 220 + transport bag	280 x 130 x 220 + transport bag
Weight (Kg)	with bag 5,0	with bag 5,0
Battery Type	Li-Ion	Li-Ion
MPEG-2 Decoder	Included	Included
Feeding LNB	5V, 13 V, 18 V, 13 V+22 KHz, 18 V+22 KHz	5V, 13 V, 18 V, 13 V+22 KHz, 18 V+22 KHz
DiSEqC	System 1.2	System 1.2
Battery Charger	20 V / 2,5 A	20 V / 2,5 A
Rec. Price* Euros	2.695,00	3.195,00

* Ask for the purchase conditions for Field Strength Meters.

Upgrading from mediaMAX EVO to mediaMAX EVO S2

Reference	EVO-UPGRADE
Code	3001008
Rec. Price (EUR)	595,00



Software Data-logger

Reference	EVO-SOFT
Code	3001010
Rec. Price (EUR)	119,00





→ www.ftemaximal.com

mediaMAX EVO Field Strength Meter

Analog & Digital Measures
(QPSK, COFDM, QAM)
5" TFT Colour Screen
MPEG-2 Card included
Weight 4 kg, Data Logger



Technical Features

RF Standards	
FM:	88 – 108MHz
Terrestrial:	B/G (CCIR)
	L/L' (France)
	I (UK)
	D/K/K' (OIRT)
	M/N (USA and Japan)
Satellite:	C and Ku Bands
Monitor	
Type:	5" (14 cm) TFT Colour
Colour Standards:	PAL, SECAM, NTSC
Audio Amplifier:	1 W in internal speaker
Programs	
Memory Storage:	Up to 1000 programs they are able to be stored. All programs may be used in the selected band independently.
Data Logger:	It is possible to store up to 4000 measures. All measures may be referred to all parameters, including spectrum and synchronism trigger (only for analog signals).
Downloads:	All measures may be downloaded in a massive storage device USB type.
LNC Feeding	
Voltage:	0, 5V, 13V, 18V, 13V+22Khz, 18V+22Khz (indicated with LED at front panel). Automatic current limitation (short-circuit protection). Average consumption on LNB.
Max. Current:	Limited at 450 mA
DiSEqC:	Version 1.2
Interfaces	
Analog A/V:	Audio / Video input and output through mini-jack connectors.
RS-232:	Serial Port for PC connection.
USB:	Host USB 2.0 Controller
Feeding	
Battery Type:	Li-Io (90 W/hour)
Battery Gauge System:	Continuous monitoring at the Display
Battery Duration:	Up to 4.5 hours (without feeding LNB)
Loading Time:	Approx. 8 hours (depends on the battery level).
External Feeding:	20 V/ 2.5 A
Mechanical Features	
Dimensions:	280x130x220 mm + transport bag
Weight:	4 Kg

Frequency	
Freq. Range	5-862 MHz and 900-2150 MHz
Tuning:	Continuous in all band.
Steps:	50 KHz in Terrestrial Band and 1 MHz in Satellite Band
Sound Range in Analog Satellite System:	5 – 9 MHz
Input	
Impedance:	75 Ohms
Connector:	"F" type (male) + Adaptor FBU – FBU
Protection:	± 50 Vdc, 130 dBµV (3 Vrms)
Attenuator:	0 – 60dB, AUTO selection of Range mode
Spectrum	
Bands:	5-47 MHz / 47-862 MHz / 900-2150 MHz
Representation:	Horizontal tracking and logarithmic amplitude
Marker:	Single marker
Span:	Full, 500, 200, 100, 50, 20 or 10 MHz
Resolution Filters:	2MHz, 1MHz, 200 KHz
Measures	
Analog Signals:	Power Level, Video/Audio Level, C/N, synchronism trigger
Range:	TV: 20 – 125 dBµV SAT: 30 – 125dBµV
Units:	dBµV, dBmV or dBm
Precision:	± 1.5 dB @ 25°C
Acoustic Signal:	Audio Frequency sound proportional to the Signal Level
Digital	
	QPSK
Measures:	BER before and after Viterbi, Wrong Packets, C/N
Standards:	DVB-S, and DSS
	COFDM
Measures:	BER before and after Viterbi, Wrong Packets, MER, C/N
FFT Mode:	2K, 8K and AUTO
Guard Intervals:	1/4, 1/8, 1/16, 1/32 and AUTO
Internal Modulations:	64 QAM, 16 QAM, QPSK
	QAM
Measures:	BER, Wrong Packets, MER
Modulations:	16, 32, 64, 128, 256 QAM
MPEG-2 Decoding	
FTA Program List (Free To Air)	
Shows NIT, Audio – Video PID and PCR	

User's Interface

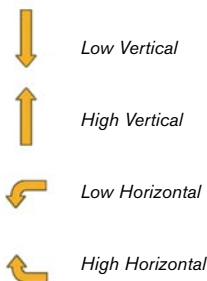
Icons System



Cable Band

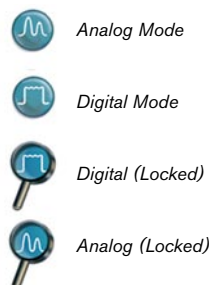
These icons indicate in which band we are working in.

Cable: 5-862 Mhz
Terrestrial: 45-862 Mhz
Satellite: 900-2150 Mhz



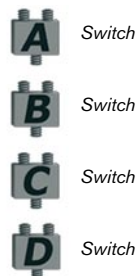
Satellite Band and Polarity

With these indications, you can know the current selection of Satellite Band and Polarity.



Spectrum Mode

Indication of sort of spectrum selected and location of the carrier.



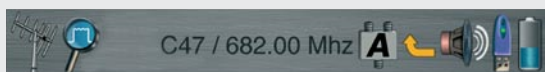
Feeding Mode

DiSEqC selected



USB connected

It indicates that the USB port is being used currently.



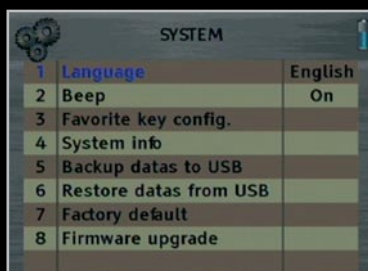
Informative Barr in the same Monitor

Tools viewer integrated in all menu windows; Band, Spectrum, Channel and Frequency, DiSEqC, Speaker, USB and Battery Level

Menu System

With the Navigation wheel control, it is very easy to access and to move within the available functions in the menu.

To make the use of the main functions easy, these are accessible also with direct short-keys.



System menu

Spectrum Representation

In all different Spectrum Mode which we dispose of, we will have available the Band Information, Frequency, Span, Marker and Carrier Level.

For outdoor works with high illumination, the High Resolution of the 5" TFT Color Monitor and the High Contrast of the yellow spectrum shape over the black background, make the viewing and interpretation easy.



Satellite Signal Spectrum



Terrestrial Signal Spectrum