

PROFESSIONAL FIELD METER

DD 2400

- ✓ Demodulation and analysis of DVB-S2 / S, DVB-T2 / T, DVB-C signals
- ✓ 7-inch high-resolution TFT-LCD screen with automatic brightness adjustment
- ✓ High-quality DSP spectrum. Frequency range 50-2200MHz with 50dB dynamic range on-screen
- ✓ HEVC (H.265), H.264, and MPEG2 decoding, SD and HD
- ✓ Single input connector (F male) with fully automatic attenuator. Supports channel power up to 120dBμV in 5dB steps
- ✓ Channel power measurements, noise margin, MER, CBER, VBER, TS errors, and constellation
- ✓ RF connector power supply from 5 to 24V, in 1V steps
- ✓ Supports DiSEqC 2.0, SATCR, and DCSS
- ✓ Special spectrum modes (Max Hold, spectrogram) for interference detection and LTE measurements
- ✓ Efficient and user-friendly interface
- ✓ Full TS recording on an external USB drive
- ✓ Long battery life (up to 6 hours) after each charge
- ✓ Various display modes: Spectrum decoding + TV; spectrum information + image simultaneously
- ✓ Stand-by mode for quick startup
- ✓ Navigation with multi-function wheel
- ✓ Screenshot capture on an external USB drive (dedicated button)
- ✓ Sat support, standalone update via USB or FTP (WiFi)
- ✓ Firmware updates via USB or FTP (WiFi)
- ✓ EAC3 Dolby DD+ codec
- ✓ Includes a second carrying strap
- ✓ USB memory for capturing storage
- ✓ Datalogger. Data download in XML format
- ✓ PC software, Windows, and MAC, for generating reports in Word format. (**)
- ✓ NIT parsing: Frequency, Modulation, and Symbol Rate (***)

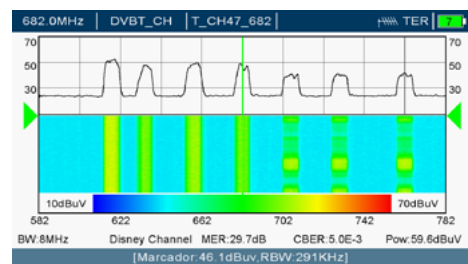
Ek EKSELANS BY ITS

NOW WITH
DATALOGGER
INCLUDED*



DOLBY
DIGITAL PLUS

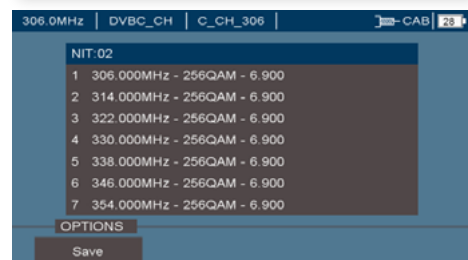
*Update gratuito para clientes Ek



EDIFICO-EK.xml

Prop. Name	Freq. (Hz)	Power (dBuV)	MER	Noise margin	CBER	VBER
T_CH01_474	474000	69.9dBuV	40.0dB	20.9	1.00E-7	1.00E-7
T_CH02_482	482000	72.8dBuV	37.5dB	18.2	1.00E-7	1.00E-7
T_CH03_490	490000	75.5dBuV	40.0dB	20.9	1.00E-7	1.00E-7
T_CH04_498	498000	75.2dBuV	35.5dB	18.2	1.00E-7	1.00E-7
T_CH05_506	506000	72.2dBuV	36.6dB	17.5	1.00E-7	1.00E-7
T_CH06_514	514000	75.5dBuV	37.7dB	18.6	1.00E-7	1.00E-7
T_CH07_522	522000	75.3dBuV	36.0dB	18.9	1.00E-7	1.00E-7
T_CH08_530	530000	75.1dBuV	37.6dB	18.5	1.00E-7	1.00E-7
T_CH09_538	538000	69.7dBuV	34.7dB	15.6	1.00E-7	1.00E-7
T_CH01_554	554000	75.1dBuV	37.5dB	18.4	1.00E-7	1.00E-7

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TECHNICAL TABLE

REFERENCE		2400
TECHNICAL SPECIFICATIONS		
Monitor	7" pulgadas TFT	
Resolution (pixels)	1024*600	
Battery	Litio 7.4 V / 7800 mAh / 57.7 Wh	
RF Input	Conector F macho 75 Ω	
Audio/Video Output	HDMI Output	
Power supplied from the meter		
Satellite Band	0 V, 5 V~24 V (in 1 V steps)	
22KHZ Tone	Selectable according to the satellite band	
DiSEqC Generator	Diseqc 1.0/1.1/2.0	
Terrestrial Band	0 V, 5 V~24 V (in 1 V steps)	
Maximum battery life	6 hours	
Power-off current (power off)	<2 mA	
VIDEO DECODING		
Decoding	MPEG1, MPEG-2 MP@ML, H.264, VC1, DV, MPEG-4, H.265 (1080p@60fps)	
AUDIO DECODING		
Decoding	MPEG-2 layer I and II (Musiccam), MPEG4 AAC, Códec EAC3 Dolby DD+	
OUTPUT MODE	Mono, Dual Channel, Stereo, Joint Stereo	
MEASUREMENT MODE		
Satellite		
Frequency range	950~2150 MHz	
Values	Channel power, noise margin, MER, CBER, VBER, TS errors, and constellation	
Symbol rate	1~55 MS/s	
Power resolution	0.1 dB	
Accuracy	±1.8 dB	
MER range	>25 dB	
Power range	20~120 dBμV	
Demodulation	DVB-S/S2 QPSK, 8PSK, 16APSK, 32APSK, ACM / VCM	
Terrestrial		
Frequency range	51 ~1000 MHz	
Values	Channel power, noise margin, MER, CBER, VBER, TS errors, and constellation	
Bandwidth	6 MHz, 7 MHz, 8 MHz	
Power resolution	0.1 dB	
Accuracy	±1.8 dB	
MER range	>35 dB	
Power range	30~120 dBμV	
Demodulation	DVB-T/T2 COFDM	
Cable		
Frequency range	51~1000 MHz	
Values	Power, CBER, VBER, MER, Constellation	
Symbol rate	6 MS/s	
Power resolution	0.1 dB	
Accuracy	±1.8 dB	
MER range	>35 dB	
Power range	30~120 dBμV	
Demodulation	DVB-C QAM, J83 Annex C QAM	
SPECTRUM ANALYZER MODE		
Frequency range	Terrestrial and Cable: 50 - 1000 MHz Satellite: 900 - 2200 MHz	
Reference level	Terrestrial and Cable: 60~110 dBμV in 5 dB steps Satellite: 60~110 dBμV in 5 dB steps	
Accuracy	±1.8 dB	
Span	Terrestrial and Cable: 10, 20, 50, 100, 200, 500, 950 MHz Satellite: 10, 20, 50, 100, 200, 500, 1200 MHz	
Measurement bandwidths	Terrestrial and Cable: 36, 72, 145, 291, 583, 1166 KHz Satellite: 100KHz, 200KHz, 500KHz, 1MHz, 2MHz, 5MHz	
Sampling / FFT	1024 Points	
INTERFACES		
Connectors (right profile)	HDMI 1.4 A	
	USB 2.0 (MAX 1 A)	
	RS232	
	DC Input	
Connectors (left profile)	Tuner	3 tuners in a single connector (DVB-S/S2, DVB-T/T2, DVB-C)
Front panel buttons	4 LED indicators	On/Off, Charge, Lock, RF power
	24 buttons	TV, Spectrum, Meter, Options, Menu, Band, Up, Down, Left, Right, Enter, Esc, 0-9, ., Power
HOUSING (Cabinet)	Dimensions	269 mm (W) x 187 mm (H) x 62.5 mm (D)
Accessories	External power supply	INPUT: 100-240V-50/60Hz 1A / OUTPUT: 15.0V-2.5A 36.0W
	Car charger	Yes
	Carrying bag	Included (space for tools and external pocket)
	F-Female adapter	Yes