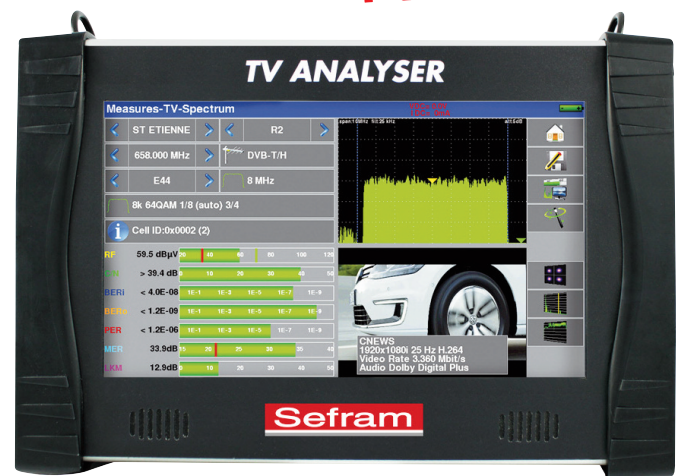


SEFRAM 78804K

State-of-Art specifications
for Ultra High Definition TV
4K HDR decoding



NEW



Capabilities

- Panoramic LCD touch screen: **10.1 inches (16:9)**
- Display free to air programs for digital terrestrial, cable and satellite
- Wideband: 5 MHz-2400 MHz
- Display High Definition TV programs MPEG4-H264 and HEVC (H.265 4K HDR)
- Display analog TV programs
- All measurements for DVB-T/T2, DVB-C (J83-A and B), DVB-S, DVB-S2, DVB-S2X (option), Wi-Fi
- Ultra fast spectrum analysis and expert spectrum analysis
- Checksat mode with NIT (satellite recognition)
- LTE function to help the diagnostic of filter
- Real time echoes and pre-echoes measurement with zoom
- Constellation diagram with zoom
- Three in one display : measurement, TV picture, mini spectrum
- Graphical display of measurements
- HDMI interface
- Analog input and output
- **Multistream** capability
- Memorize and export/import data with USB memory stick
- Battery with 1 hour charging time and 4 hours autonomy
- Supplied with **carrying bag and protection pouch**
- Weight: 2,8kg

The most complete TV Meter of the market

Time is money! With its fast and expert spectrum analysis, the checksat mode with electronic compass and NIT, the Cell ID function, real time echoes and pre-echoes, the constellation diagram, the fast Autoset, Multistream capability, the LTE function to help the diagnostic of spurious filtering, no doubt that you can setup a TV receiving system in record time.

Easy to use

Direct access to function from the touch screen is like a game: dedicated icons, special "home" function to go back to main menu, virtual keyboard to enter your specific data, possibility to export / import file on USB memory stick... Getting started with the new SEFRAM 78804K is fast and easy.

A new design optimized for your safety

To protect your TV meter, we have design a robust metal housing with a protective pouch. For your safety, we supplied an ingenious system of belts and clip and a light transportation bag.

Panoramic touch screen

With the largest and brightest LCD of the market, using the new TV meter is possible in all conditions of light, including in sunny environment. With the 10.1" touch screen, you will use your new TV meter like a smartphone or a tablet: no need to worry where and which button to push, everything is displayed on the large screen in a clear and easy way. Incredibly user friendly!



Follow us on :



Ultra High Definition TV 4K HDR decoding

Technical specifications		Terrestrial band				Satellite band			
Frequency									
Range		5-1005 MHz				900-2400 MHz			
Resolution		measurement: 50 kHz, display: 1 kHz				measurement: 1MHz, display: 1MHz			
Level measurements									
Dynamic range		20-120 dBuV				20-120 dBuV			
Units		dBuV, dBmV, dBm				dBuV, dBmV, dBm			
Accuracy		±2dB +/- 0.05dB/°C				±2dB +/- 0.05dB/°C			
Resolution		0,1 dB				0,1 dB			
Measurement filters		25 kHz				125 kHz			
Standards		BG, DK, I, L, MN, FM, carrier, DVB-T/T2/T2lite, DVB-C/C2, J83B RF, C/N, V/A				PAL, SECAM, NTSC, Carrier, DVB-S/S2/S2X, DSS RF, C/N			
Measurements									
Digital measurement		DVB-T/H	DVB-T2/T2lite	DVB-C	DVB-C2	J83B	DVB-S, DSS	DVB-S2	DVB-S2X
Bit Error Rate (BER)		CBER (before Viterbi BER) VBER (after Viterbi BER) UNC (lost packets PER) Noise margin	LDPC (BER) BCH (BER) FER (frame error PER) Noise margin	BER (before Reed Solomon BER) UNC (lost packets PER) Noise margin	BER (before Reed Solomon BER) UNC (lost packets PER) Noise margin	BER (after Reed Solomon BER) UNC (lost packets PER) Noise margin	CBER (before Viterbi BER) VBER (after Viterbi BER) UNC (lost packets PER) Link margin	LDPC (BER) BCH (BER) PER Link margin	BER (before LDPC BER) (before BCH) PER (lost packets) MER LKM (Link Margin)
Modulation Error Rate (MER)		5 - 35 dB	5 - 35 dB	20 - 40 dB	20 - 40 dB	20 - 35 dB	0 - 20 dB	0 - 20 dB	0 - 20 dB
Sensitivity									47 dBuV
Symbol rate		-	-	1 to 7.224 Ms/s (J.83A)	-	1 to 5,563 Ms/s	1 to 45 Ms/s	1 to 45 Ms/s	1 to 50 Ms/s
Bandwidth		5, 6, 7, 8 MHz	1,7, 5, 6, 7, 8 MHz	-	6, 8 MHz	-	-	-	-
Mode		-	SISO, MISO, PLP simple or multiple	-	PLP simple or multiple, data slice	-	-	-	-
FFT size		2k and 8k, auto and manual	1k, 2k, 4k, 8k, 16k and 32 + bandwidth extension, auto	-	4k	-	-	-	-
Constellation		QPSK, 16 and 64 QAM, auto	QPSK, 16, 64 and 256 QAM auto	16, 32, 64, 128 and 256 QAM	16, 64, 256, 1024, 4096 QAM	64, 256 QAM	QPSK	QPSK, 8PSK, 32 APSK	QPSK, 8PSK, 8/16/32 APSK-L
Code rate		1/2, 2/3, 3/4, 5/6, 7/8 (auto)	1/2, 3/5, 2/3, 3/4, 4/5, 5/6 (auto)	-	2/3, 3/4, 4/5, 5/6, 8/9, 9/10	-	1/2, 2/3, 3/4, 5/6, 6/7, 7/8 (auto)	2/5, 1/2, 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 (auto)	-
Roll-off		-	-	-	-	-	-	-	0,05 - 0,35
Guard interval		auto and manual	auto	-	auto	-	-	-	-
Inverted spectrum		auto	auto	auto	auto	auto	auto	auto	auto
Viterbi		-	-	-	-	-	-	-	-
HP/LP		yes	-	-	-	-	-	-	-
PLP choice		-	yes	-	yes	-	-	-	-
Multistream		-	-	-	-	-	-	PL descrambling	stream selction 0 - 255 (ISI) PLS descrambling (Gold code)
Standards		ETS 301-701	ETS 302-755	ITU J83-AppendixA	ETS 302-769	ETS 302-769	ETS 300-421	ETS 302-307	ETS 302 307 part 2
Pre-echoes / Echoes / Impulse response									
Dynamic range		30 dB, 75km (in 8k)	50 dB, -75km +75km (in 8k)	-	50 dB, -5km +5km	-	-	-	-
Units		us, km, miles	us, km, miles	-	us, km, miles	-	-	-	-
Constellation diagram									
		yes	yes	yes	yes	yes	yes	yes	-
Spectrum analysis									
Span		1MHz to full span in 1, 2, 5 sequences							
sweep time		100ms mini, 500 ms max							
Filters (automatic with selected span)		1,25 kHz, 2,5 kHz, 6,25 kHz, 12,5 kHz, 25 kHz, 62,5 kHz, 125 kHz, 250 kHz, 625 kHz, 1,25 MHz, 2,5 MHz							
Attenuator		automatic or manual (0 to 50 dB with 10 dB steps)							
Dynamic (display)		60 dB (10 dB/div)							
With NIT(OSD) and TV picture		yes							
Measurement map									
Capacity		scrolling of 100 programs maximum							
Display		graphical (bargraph), tilt measurement							
Antenna Check mode									
Goal		fast antenna pointing				fast antenna pointing, single or double LNB			
Sites/Satellites		10 places				30 satellites, with European database loaded			
NIT		yes				yes			
		check 4 channels per place, can be modified by user				check 4 transponders per satellite, can be modified by user			
Signal Monitoring									
measurements		all, level and digital measurements							
duration		10mn, 60mn, 8h, 24h, 7d							
Memory									
Saving		internal non volatile memory, or USB memory stick (not supplied)							
Data		places, measure (level, BER/MER, frequency map, spectrums,...)							
Capacity		512 Kb (1000 files or folders max.)							
TV picture and sounds									
Analog programs		PAL, SECAM, NTSC							
Digital programs		MPEG2, MPEG4, HEVC, SD and HD definition							
Sounds		MPEG-1, MPEG-2, AAC, HE AAC, Dolby® Digital, Dolby® Digital Plus							
Encrypted programs (*)		yes							
RF input									
Input		75 Ohm, F and BNC with adapter supplied							
Max permissive voltage		50 Veff. /50Hz							

Ultra High Definition TV 4K HDR decoding

Technical specifications	Terrestrial band	Satellite band
Remote supply and control		
Voltage	5 V/13 V/18 V/24 V, 500 mA max (300mA for 24V)	13/18 V, 500 mA max
DiSEqC	-	DiSEqC 1.2, dish rotor control, committed & uncommitted switches
Mini DiSEqC (22kHz)	-	22 kHz, ToneBurst
SatCR	-	DiSEqC protocol extension, control of 8 slots max.
DCSS	-	SatCR protocol extension, control of 32 slots max.
Aux Input/output		
Interfaces	USB A, Ethernet 10/100baseT (RJ45)	
Power supply input	jack 5.5 mm, 15 V max, 5 A max	
Audio/Video	HDMI output 720p, A/V jack for analog video input and earphones output	
CAM DVB-CI module	1 slot for CAM DVB-CI module (contact us for compatibility)	
5GHz input		
functions	level measurements	
Connector	SMA 50 Ohms	
Remote supply	6,2 V, 250 mA	
Wi-Fi		
functions	Wi-Fi network level measurement, SSID	
Frequency	2,4GHz	
WiFi antenna input	SMA (50 Ohms)	
General Specifications		
Display	10.1 inches color LCD 16/9, backlight 500 cd/m ² , 1024x600 dots, capacitive touch pad	
Power supply	main adapter 110/230 VAC, jack with 5,5mm diameter, 15 V/5 A	
Battery (non removable)	LiOn battery 100W	
Autonomy	4 hours typical	
Built-in charger	1 hour charging time for 80% capacity	
Operating temperature	-5°C to 45°C	
Storage temperature	-10°C to 60°C	
EMC and safety	NF-EN 61362-1 / NF-EN 61326-3 / NF-EN 61010-1	
Dimensions	310 x 210 x 80 mm	
Weight	2,8 kg (battery and pouch included)	
Warranty	2years	

Supplied with: main adapter (90-245V with European plug), F/F and F/BNC adapter, carrying protective pouch, belt clip, transportation pouch. The instruction manual is available directly on our website www.sefram.com

Ultra High Definition TV 4K HDR decoding

■ Accessories



Carrying bag (provided in standard) - P/N: 978851000



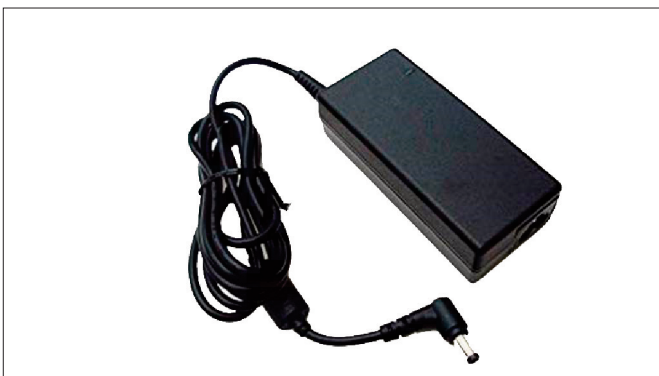
Carrying case - P/N: 978852000



A/V external video cable - P/N: 978853000



Car cigar lighter adapter: - P/N: 978361000



Main power supply adapter (provided in standard):
P/N: 978553000

For assistance and ordering



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FT78804K A 00 - Specifications can be updated without notice



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