

Sefram

Make sure to visit
our Website

<http://www.sefram.fr>

SEFRAM 7884

State-of-Art specifications for High Definition TV The feeling of a new way of measurement

Capabilities

- Panoramic LCD touch screen: **10 inches (16:9)**
- Display free to air programs for digital terrestrial, cable and satellite
- Display High Definition TV programs MPEG4-H264 and **HEVC (H265)**
- Display analog TV programs
- All measurements for **DVB-T/T2, DVB-C/C2 (J83-A and B), DVB-S, DVB-S2, DAB/DAB+, Wifi**
- 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
- ASI TS input and output and HDMI interface
- Analog input and output
- **GPS**
- **Multistream** capability
- **Shoulder** measurement
- 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 NIT, the Cell ID function, real time echoes and pre-echoes, the MER per carrier, the constellation diagram, the fast Autoset, GPS, 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 7884 is fast and easy.

HEVC-H265
IPTV
Optic Fiber
GPS
Wifi
CAM CI

2 YEAR
WARRANTY

NEW



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 for non dedicated situation.

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 firendly!



Sefram

Technical specifications		Terrestrial band						Satellite band		
Frequency		5-1005 MHz						900-2200 MHz		
Range		measurement: 50 kHz, display: 1 kHz						measurement: 1MHz, display: 1MHz		
Resolution										
Level measurements		20-120 dBµV						20-120 dBµV		
Dynamic range		10 dBµV typical						20 dBµV typical		
Noise floor level		dBµV, dBmV, dBm						dBµV, dBmV, dBm		
Units		±2dB +/- 0.05dB/°C						±2dB +/- 0.05dB/°C		
Accuracy		0,1dB						0,1dB		
Resolution		25kHz						125kHz		
Measurement filters		BG, DK, I, L, MN, FM, DAB/DAB+, Porteuse, DVB-T/T2/T2lite, DVB-C/C2, J83B						PAL, SECAM, NTSC, Porteuse, DVB-S/S2, DSS		
Standards		RF, C/N, V/A						RF, C/N		
Measurements		RF, C/N, V/A						RF, C/N		
Mesures numériques		DVB-T/H	DVB-T2/T2lite	DVB-C	DVB-C2	J83B	DAB/DAB+	FM-RDS	DVB-S, DSS	DVB-S2
Bit Error Rate (BER)		CBER (before Viterbi BER) VBER (after Viterbi BER) UNC (lost packets PER) Noise margin	LDPC (BERi) BCH (BERo) FER (frame error PER) Noise margin	BER (before Reed Solomon BERi) UNC (lost packets PER) Noise margin	BER (before Reed Solomon BERi) UNC (lost packets PER) Noise margin	BER (after Reed Solomon BERo) UNC (lost packets PER) Noise margin	BER (after Reed Solomon BERo)	PS, PI, OTY, ECC, RT	CBER (before Viterbi BERi) VBER (after Viterbi BERo) UNC (lost packets PER) Link margin	LDPC (BERi) BCH (BERo) PER Link margin
Modulation Error Rate (MER)		5 - 35dB	5 - 35dB	20 - 40dB	20 - 40dB	20 - 35dB	0-30dB	-	0-20dB	
MER per carrier		yes	yes	-	yes	-	-	-	-	-
Symbol rate		-	-	1 to 7.224 Ms/s (J.83A)	-	1 to 5,563 Ms/s	-	-	1 to 45Ms/s	1 to 45Ms/s
Bandwidth		5, 6, 7, 8 MHz	1,7, 5, 6, 7, 8 MHz	-	6, 8 MHz	-	1,7MHz	-	-	-
Mode		-	SISO, MISO, PLP simple or multiple	-	PLP simple or multiple, data slice	-	Bande 3, Mode 1	-	-	-
FFT size		2k and 8k, auto and manuel	1k, 2k, 4k, 8k, 16k and 32k + bandwidth extension, auto	-	4k	-	2k	-	-	-
Constellation		QPSK, 16 and 64QAM, auto	QPSK, 16, 64 and 256QAM, auto	16, 32, 64, 128 and 256QAM	16, 64, 256, 1024, 4096QAM	64, 256QAM	DQPSK	-	QPSK	QPSK, 8PSK, 16APSK, 32APSK
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)
Guard interval		auto and manuel	auto	-	auto	-	-	-	-	-
Inverted spectrum		auto	auto	auto	auto	auto	-	-	auto	auto
HP/LP		yes	-	-	-	-	-	-	-	-
PLP choice		-	yes	-	yes	-	-	-	-	-
Multistream		-	-	-	-	-	-	-	-	-
Standards		ETS 301-701	ETS 302-755	ITU J83-AppendixA	ETS 302-769	ETS 302-769	ETS 300-401	IEC 62106	ETS 300-421	oui, PL descrambling ETS 302-307
Pre-echoes / Echoes / Impulse response										
Dynamic range		30 dB, 75km (en 8k)	50 dB, -75km +75km (en 8k)	-	50 dB, -5km +5km	-	-	-	-	-
Units		µs, km, miles	µs, km, miles	-	µs, 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 maxi								
Filters (automatic with selected span)		1,25k, 2,5k, 6,25k, 12,5k, 25k, 62,5k, 125k, 250k, 625kHz, 1,25MHz, 2,5MHz								
Attenuator		automatic ou manuel (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		
Places/Satellites		30 places typical						30 satellites typical, with European database loaded		
NIT ckeck		yes ckeck 4 channels per place, can be modified by user						yes ckeck 4 channels per place, 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								
MPEG TS analysis		ETR101290 alarms, bit rate analysis								
RF input										
Input		75 Ohm, F and BNC with adaptor supplied								
Max permissive voltage		50 Vrms /50Hz								

Technical specifications	Terrestrial band	Satellite band
Remote supply and control		
Voltage	5V/13V/18 V/24V, 500 mA max (300mA pour 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 10baseT (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	
ASI		
Functions	ASI input and output TS MPEG	
Frequency	270 MHz, 188/204 bytes, useful bit rate 70Mbit/s max	
Connector	BNC 750hms	
GPS		
Functions	measurement mapping (export to GoogleEarth), sat in view' monitoring	
Connector	SMA 500hms	
Antenna	active 3V or 5V	
Wi-Fi		
Functions	Wi-Fi network level measurement, SSID	
Frequency	2,4 and 5GHz	
WiFi antenna input	SMA reverse 500hms, antenna	
General specifications		
Display	10.1 inches color LCD 16/9, backlight 500 cd/m ² , 1280x800 dots, capacitive touch pad	
Power supply	main adaptor 110/230 VAC, jack with 5,5mm diameter, 15 V/5 A	
Battery (non removable)	LiOn battery 100Wh	
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)	

Supplied with: main adaptor (90-245V with European plug), user's manual on CD ROM, F/F and F/BNC adaptor, carrying protective pouch, belt clip, transportation pouch.

Optional accessories: Car cigar lighter P/N 978361000
 Transportation hardcase P/N 978852000
 A/V cable P/N 978852000



978852000
Transportation
handcase



978361000
Car cigar
lighter
adapter



978853000
Audio/video
cable

(*): the display of digital encrypted programs is possible, if user has a valid subscription card and if the encryption type is supported by the TV Meter. Please check with our sales department when ordering. **Dolby is a trade mark of Dolby Laboratories.**



FT7884 A00 - Specifications can be updated without notice




32, rue Edouard Martel - B.P. 55 - 42009 - St Etienne cedex 2
Tel. +33 (0).4.77.59 36 81
 Fax. +33 (0).4.77.57.23.23
 Website : www.sefram.fr - e-mail : sales@sefram.fr

For assistance and ordering

