

SEFRAM 7848B

The ideal companion for Digital Terrestrial TV (DVB-T, DVB-T2/T2 Lite) and Digital Satellite (DVB-S/S2 and DVB-S2X (option))
Display HD TV programs

NEW



■ Touch screen, compact, robust and easy to use

With a panoramic 7 inches touch screen, you have full benefit of the touch screen technology: intuitive access to functions, menus and measurements. The new rugged housing with protective bumpers is designed for extensive field use and protection of sensitive parts of the instrument

■ All digital measurements in DVB-T, DVB-T2/T2 Lite, DVB-S, DVB-S2, and DVB-S2X (option)

The 7848B provides all measurements in DVB-T, DVB-T2/T2 Lite, DVB-S, DVB-S2, and DVB-S2X (option). For each digital standard, we provide all measurements, including error rate, the constellation diagram and echoes analysis.

■ All necessary functions and tools to save time

The 7848B has a very simple and intuitive man-machine interface. Special functions have been added to save time and money.

■ Checking the alignment of antennas

The 7848B includes a checksat mode for satellite and a special tool to align terrestrial antennas. User will have a graphical information combined with a beeper.

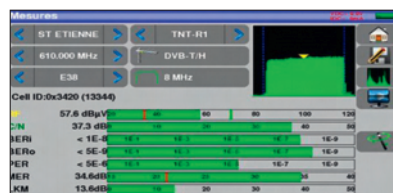
■ USB Interface

The 7848B includes one USB interface for updating and getting the benefit of free firmware updates. The interface can be used to transfer measurements data, screens shots to a USB memory stick.

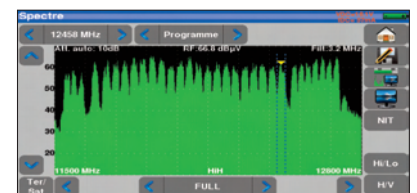
* only for free-to-air



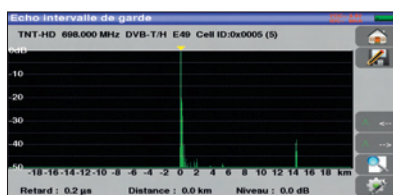
A performing autoset



All measurements displayed on a single screen



Fast spectrum analysis



Echoes display with guard interval



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Terrestrial and satellite TV meter

Specifications	Terrestrial band			Satellite band		
Frequency						
Range	5 - 1005 MHz			200 - 2400 MHz		
Resolution	measurement: 50kHz, display: 1kHz			measurement: 1 MHz, display: 1 MHz		
LNB type	-			C, Ku, Ku WIDEBAND (Adjustable OL)		
Level measurements						
Dynamic range	20 - 120 dBuV					
Units	dBuV, dBmV, dBm					
Accuracy	± 2 dB ± 0.05 dB/°C					
Resolution	0,1 dB					
Measurement filters	32 KHz			160 KHz		
Standards	DVB-T / T2 / T2Lite BG, DK, I, L, MN, DAB, FM, carrier			DVB-S / S2 / S2X, DSS PAL, SECAM, NTSC, carrier		
Digital measurement						
	DVB-T	DVB-T2 / T2Lite	DVB-S / DSS	DVB-S2	DVB-S2X	
Error rate	BERi (before Viterbi), BERo (before Reed-Solomon) PER (lost packets) MER LKM (Link Margin)	BERi (before LDPC) BERo (before BCH) PER (lost packets) MER LKM (Link Margin)	BERi (before Viterbi) BERo (before Reed-Solomon) PER (lost packets) MER LKM (Link Margin)	BERi (before LDPC) BERo (before BCH) PER (lost packets) MER LKM (Link Margin)	BERi (before LDPC) BERo (before BCH) PER (lost packets) MER LKM (Link Margin)	
Modulation Error Rate (MER)	15 - 35 dB	15 - 35 dB	0 - 20 dB	0 - 20 dB	0 - 20 dB	
Sensitivity	35 dBuV	35 dBuV	47 dBuV	47 dBuV	47 dBuV	
Bandwidth	6, 7 or 8 MHz	1.7, 5, 6, 7 or 8 MHz	-	-	-	
Mode	-	-	-	-	-	
Carrier	2k / 8k	1k, 2k, 4k, 8k, 16k, 32k + band extension	-	-	-	
Constellations	QPSK, 16 - 64 QAM	QPSK, 16 - 256 QAM	QPSK	QPSK, 8PSK, 16/32APSK	QPSK, 8PSK, 8/16/32APSK-L	
Rate	-	-	1 - 50 Ms/s	1 - 50 Ms/s	1 - 50 Ms/s	
Roll-off	-	-	0,20, 0,25, 0,35	0,20, 0,25, 0,35	0,05 - 0,35	
Guard interval	1/4, 1/8, 1/16, 1/32	1/4, 1/8, 1/16, 1/32, 19/128, 19/256	-	-	-	
Viterbi	auto	auto	auto	auto	auto	
Spectre inversion	auto	auto	auto	auto	auto	
HP/LP - PLP - Data Slice	HP/LP	PLP	-	-	-	
Multistream	-	-	-	stream selection 0 - 255 (ISI) PLS descrambling (Gold code)	stream selection 0 - 255 (ISI) PLS descrambling (Gold code)	
standards	EN 300-744	ETS 302-755	ETS 300-421	ETS 302 307 part 1	ETS 302 307 part 2	
Spectrum analysis						
Span	1MHz to full span in 1, 2, 5 sequences					
Sweep rate	100 ms mini, 1000 ms max					
Filters	1.6kHz, 3.2kHz, 8kHz, 16kHz, 32kHz, 80kHz, 160kHz, 320kHz, 800kHz, 1.6MHz, 3.2MHz					
Attenuator	automatic (0 to 55 dB, with 5 dB steps)					
Display	60 dB (10 dB/div)					
Antenna Check mode						
Settings	fast antenna pointing 10 places check 4 channels per place, can be modified by user			fast antenna pointing, single or double LNB 30 satellites, with European database loaded check 4 transponders per satellite, can be modified by user		
Remote supply and control						
Voltage	5 / 13 / 18 / 24V, 500 mA max			13 / 18V, 500 mA max		
DiSEqC	-			DiSEqC 2.1, dish rotor control, committed & uncommitted switches protocol extension DiSEqC		
DCSS	-			SATCR, EN 50494, 8 slots max SCD2, EN 50607, 32 slots max		
TV picture and sounds						
Audio	MPEG-1, MPEG-2, AAC, HE AAC, Dolby® Digital, Dolby® Digital Plus					
Tables de services	SDT, LCN					
Video	MPEG-2 SD and MPEG4 HD (high definition H264)					
RF input						
Input	75 Ohms, (F-F and BNC/F adaptator supplied)					
Max permissive voltage	50V DC, 33Veff / 50Hz max					
Analog video input						
Connector	jack 3,5 mm, 4 contacts					
Voltage	video 1Vpp max / audio 10 kohms					
Standards	PAL, SECAM, NTSC					
Aux input/output						
Interface	USB A, Ethernet 10/100 baseT					
Remote supply	15V / 1A with jack 5.5mm					
General Specifications						
Display	LCD TFT color, 7 inches, 16/9, backlight (500 cd/m2), resolution 800 x 480, capacitive touch screen					
Power supply	main adapter 110/230 VAC, 15V DC / 1A, jack 5,5 mm diameter					
Battery (non removable)	Lithium Ion 33Wh					
Autonomy	terrestrial : 2H / satellite : 1H30 (according to use)					
Charging time	2H for 80% / 3H for 100%					
Operating temperature	-5°C to 40°C					
Storage temperature	-10°C to 60°C					
EMC and safety	NF-EN 61326-1 / NF-EN 61326-2 / NF-EN 61010-1					
Dimensions	250 x 165 x 65 mm					
Weight	1,35kg					
warranty	1 year					

Supplied with : main charging adapter (90-245V with European plug), F-F adapter, transportation pouch. The instruction manual is available directly on our website www.sefram.com



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Terrestrial and satellite TV meter

■ Accessories



Sun protector+rain protector+belt clip - P/N: 978489000



Rain protector - P/N: 978489500



Carrying bag (supplied in standard) - P/N: 978481000



Carrying case - P/N: 978483000



Charging adapter (supplied in standard) - P/N: 978061000



Car cigar lighter adapter - P/N: 978361000

For assistance and ordering



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FT7848B A00- Specifications can be updated without notice



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