

Sefram
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<http://www.sefram.fr>

SEFRAM 7805B

To fully check and guarantee your system's performances (DVB-S and DVB-S2) the 7805B will be your ideal companion.

Robust and easy to use

Designed with only 4 push-buttons on the front panel, you will directly access to all measurements and functions. The getting started located in the cover will give you the information for each menu. The new chockproof housing has been designed for extensive field use of the instrument.

DVB-S and DVB-S2

The 7805B allows all measurements for DVB-S and DVB-S2. QPSK and 8PSK modulations are supported.

Fast checksat mode

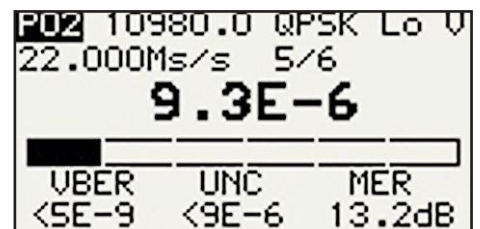
The 7805B includes a very fast checksat mode for dish alignment. User with have a visual information combined with a beeper. This innovative feature reduce the waste of time.

USB interface

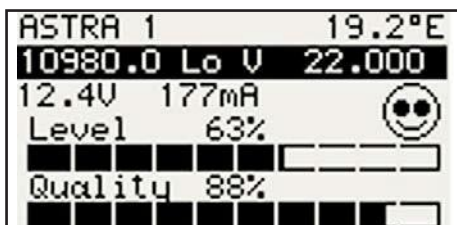
The 7805B includes a USB interface to update the internal software (free download from SEFRAM website). When using SEFRAMSAT, you can easily customize the checksat mode.



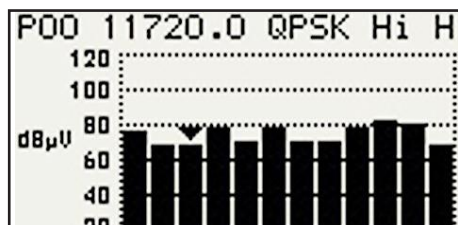
SEFRAM 7805B



BER - MER in QPSK



Fast checksat mode



Transponder survey



Fast spectrum analysis



Sefram
INSTRUMENTS & SYSTEMES

Technical specifications		7805B
Frequency		
Range	900-2150 MHz	
Resolution	measurement : 1 MHz / display: 100 kHz	
Level Measurement		
Dynamic range	30-110 dB μ V	
Units	dB μ V, dBmV, dBm, V	
Accuracy	± 3 dB \pm 0.05dB/ $^{\circ}$ C	
Resolution	0,1dB	
Measurement filter	1MHz	
Input	BNC 75 Ohm	
Max permitted voltage	80 V DC, 80 V eff./50Hz	
Modulation	Analogue, DVB-S, DVB-S2, DSS	
Spectrum Analysis		
Sweep	300 ms typ.	
Filter	1 MHz	
Attenuator	automatic (0 to 60 dB with 5 dB steps)	
Dynamic range (display)	60 dB (10 dB/div), 30 dB (5dB/div)	
Span	10 MHz to full span in 1, 2, 5 steps	
Measurement map		
Capacity	100 programmes	
Display	1000 files max.	
Checksat mode		
	fast satellite search max 30 satellites (withSeframSat) 4 transponders per satellite	
Memory		
Capacity	100 programmes 1000 fichiers max	
Input / output		
Interface	mini USB	
Power supply connector	jack 3.5mm	
LNB power supply		
Voltage	13/18 V, 250 mA max	
DiSEqC	DiSEqC 1.2	
22 kHz	22 kHz, DiSEqC 1.2, ToneBurst DVB-S DVB-S2 DSS	
Digital Measurements		
BER (Bit Error Rate)	CBER, VBER, UNC, LDPC, BCH, PER	
MER (Modulation Error rate)	0-20dB	
Symbol rate	1-45Ms/s	
Viterbi rate	1/2, 2/3, 3/4, 3/5, 4/5, 5/6, 6/7, 8/9, 9/10 (auto)	
Standard	IN 300-421 / IN 302 307	
General specifications		
Display	LCD with backlight, 128 x 64 dots	
Power supply	8 - 15V, 1A max	
Batteries	8 NiMH batteries, 1.2V, 1700mAh, AA	
Autonomy	3 hours (typical)	
Internal charger	slow charging, 16 hours	
Operating temperature range	0 $^{\circ}$ C to 40 $^{\circ}$ C	
Storage temperature range	-10 $^{\circ}$ C to 60 $^{\circ}$ C (without batteries)	
EMC and safety	EN-61010-1, EN61326-A1 and A2, EN55022 (B)	
Dimensions	200 x 190 x 100 mm	
Weight	1,6kg (with batteries)	

Supplied with : European Power supply adapter, 8 NiMH rechargeable batteries, user's manual, F/BNC adaptor, carrying belt
Optional accessories : TR7836 software: P/N 978369000
 USB cable (type A to mini B): P/N 978551100
 Car cigar lighter adapter: P/N978361000