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SEFRAM 7804B / 7804BT

The ideal companion for cable TV (DVB-C and MCNS)

Robust and easy to use

With only 4 keys on the front panel, you access directly to all measurements. We add a quick guide in the top cover to remind all functions and menus. The new rugged plastic housing is designed for extensive field use and protects sensitive parts of the instrument.

DVB-C, MCNS and analogue TV

The 7804B/BT provides all measurements for DVB-C and MCNS (J.83A and J.83B standards) You will have BER, MER and lost packets For analogue TV signals, the instruments display: level, C/N, V/A1, V/A2

7804BT: includes remote supply

When the remote supply is needed for external devices. Please select model 7804BT, which provides 24V / 250mA (max) for external devices

All necessary functions available to analyse signals

The 7804B/BT includes a spectrum analyser and display the constellation diagram in QAM. The user can monitor 12 channels with a graphical display: a nice feature to balance the output of amplifiers.

USB interface

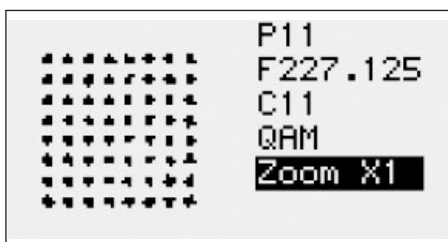
The 7804B/BT includes a USB interface for updating and getting the benefit of free firmware updates. The TV meter can use the TR7836 (optional PC software) to create reports or customize frequency maps.



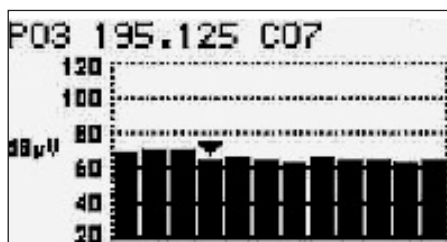
**7804B
7804BT**



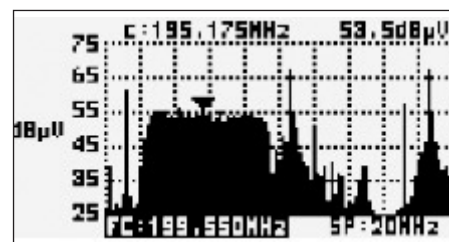
Digital measurements : BER
MER in QAM



Constellation diagram
with zoom function



12 channels monitoring



True spectrum analysis



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SEFRAM 7804B / 7804BT

cable TV (DVB-C and MCNS)

Caractéristiques techniques		7804B/7804BT
Frequency		
Range	5-865 MHz	
Resolution	100 kHz (measurement), 25 kHz (display)	
Level measurement		
Dynamic range	20-120 dB μ V	
Units	dB μ V, dBmV, dBm, V	
Accuracy	± 2 dB \pm 0.05dB/ $^{\circ}$ C (± 3 dB up to 100MHz)	
Resolution	0,1dB	
Measurement filter	100kHz	
Modulation	Analogue, DVB-C (QAM) J.83A and (MCNS) J.83B	
Other measurement	C/N, V/A1, V/A2	
Error measurements		
Error rate measurement	DVB-C and MCNS	
Modulation error rate(MER)	BER, UNC (lost paquets)	
Symbol rate	20-40dB	
Standards	1 to 7Ms/s	
Spectrum analysis		
Sweep rate	EN 300-429, apendix J.83A et J.83B	
Filter	300 ms typical	
Attenuator	100 kHz	
Dynamic (display)	automatic (0 to 60 dB in 5 dB steps)	
Span	60 dB (10 dB/div), 30 dB (5dB/div)	
Measurement map		
Capacity	10 MHz to full span in 1, 2, 5 sequence	
Display	Graphical (bars)	
Constellation diagram		
Display	Constellation diagram	
Zoom	DVB-C: 4-QAM, 16-QAM, 32-QAM, 64-QAM, 128-QAM and 256-QAM	
Memory		
Programs	MCNS: 64-QAM and 256-QAM	
Capacity	Zoom X1, X2, X3	
Input / Ouput		
Interface	100 programs	
Power supply input	1000 files max.	
Remote voltage (for 7804BT)		
Voltage	mini USB	
RF Input		
Connector	8V to 15V DC, 1A	
Max. input voltage	24 V, 250 mA max	
Caractéristiques générales		
Display	LCD backlighted, 128 x 64 dots	
Power supply	8 - 15V, 1A max	
Battery	8 NiMH rechargeable batteries, 1.2V, 1700mAh, AA size or 1800mAh NiMH package	
Autonomy	3 hours (typical)	
Charging time	slow charging, 16 hours	
Operating temperature	0 $^{\circ}$ C to 40 $^{\circ}$ C	
Storage temperature	-10 $^{\circ}$ C to 60 $^{\circ}$ C (without battery)	
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 : main charger adaptor, user manual, F/BNC adaptor, carrying belt

Optional accessories

TR7836 software : **P/N 978369000**

USB type A to mini B cable : **P/N 978551100**

Car cigare lighter adaptor: **P/N 978361000**



FT7804B A00 - Specifications can be updated without notice



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For assistance and ordering



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