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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

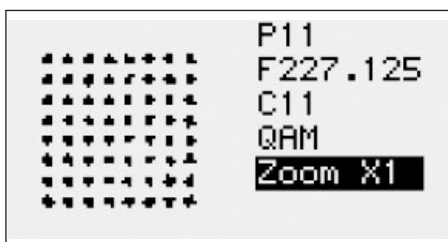
The 7804B/BT includes a USB interface for updating and getting the benefit of free firmware updates. The TV meter can use the TR7836 (optional PC software) to create reports or customize frequency maps.



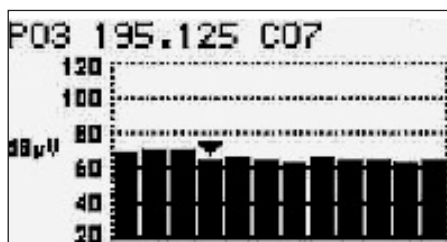
**7804B
7804BT**



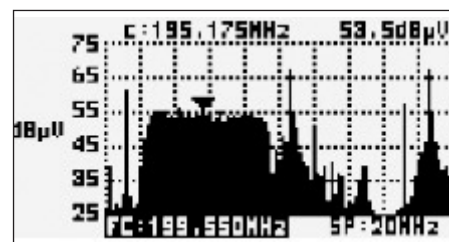
Digital measurements : BER
MER in QAM



Constellation diagram
with zoom function



12 channels monitoring



True spectrum analysis





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	DVB-C and MCNS
Error rate measurement	BER, UNC (lost paquets)
Modulation error rate(MER)	20-40dB
Symbol rate	1 to 7Ms/s
Standards	EN 300-429, apendix J.83A et J.83B
Spectrum analysis	
Sweep rate	300 ms typical
Filter	100 kHz
Attenuator	automatic (0 to 60 dB in 5 dB steps)
Dynamic (display)	60 dB (10 dB/div), 30 dB (5dB/div)
Span	10 MHz to full span in 1, 2, 5 sequence
Measurement map	
Capacity	12 programs
Display	Graphical (bars)
Constellation diagram	
Display	Constellation diagram DVB-C: 4-QAM, 16-QAM, 32-QAM, 64-QAM, 128-QAM and 256-QAM MCNS: 64-QAM and 256-QAM
Zoom	Zoom X1, X2, X3
Memory	
Programs	100 programs
Capacity	1000 files max.
Input / Ouput	
Interface	mini USB
Power supply input	8V to 15V DC, 1A
Remote voltage (for 7804BT)	
Voltage	24 V, 250 mA max
RF Input	
Connector	BNC (female), 75 Ohms
Max. input voltage	80 V DC, 80 V eff./50Hz
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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