

Sefram
Sefram

SEFRAM

7802-7803-7804-7805

To fully check and guarantee your system's performance (analogue and digital TV), the new range of field strength meters will be your ideal companion.

Ease of use and robustness

- 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 shockproof housing has been designed for extensive field use of the instrument.

For your applications, select the appropriate instrument

- SEFRAM 7802 and 7803 are dedicated for terrestrial TV, analogue and digital (COFDM).
- SEFRAM 7804 is dedicated to cable TV networks, analogue, and digital (QAM).
- SEFRAM 7805 is dedicated to setellite TV, analogue and digital (QPSK).

Excellent accuracy

- All required measurements for good reception will be performed with excellent accuracy (BER and MER measurements are provided)



Choice guide

	SEFRAM 7802	SEFRAM 7803	SEFRAM 7804	SEFRAM 7805
Terrestrial TV, analogue and digital	Yes	Yes	Yes	
Satellite TV, analogue and digital	-	-	-	Yes

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Metrix Electronics Limited

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Technical Specifications	SEFRAM 7802	SEFRAM 7803	SEFRAM 7804	SEFRAM 7805
Fréquences				
Range	45-865 MHz	45-865 MHz	5-865 MHz	900-2150 MHz
Resolution	measurement 50 KHz display 1 KHz			measurement 100 KHz display 100 KHz
Levels measurements				
Buzzer				Yes
Range	20-120 dB μ V	20-120 dB μ V	20-120 dB V	30-110dB μ V
Unit	dB μ V, dBmV, dBm, V			
Accuracy	+/-2dB			+/-3dB
Resolution				0,1 dB
Filters	100 KHz			1MHz
Input	BNC 75 Ω			
Max voltage input	80 VDC, 80 V eff./50Hz			
Standard	B, G, D, K, I, L, M, N, FM, QAM, COFDM			Analogic, QPSK
Measurement type	peak, average or effective power			peak, or effective power
Display	Numerical (C/N, V/A1, C/A2)			Numerical (C/N)
Spectrum analysis				
Time base	300 ms typ.			400 ms typ.
Filters	100KHz			1MHz
Attenuation				automatic
Dynamic display				50 dB
Span	10, 20, 50, 100, 200, 500 MHz et full			10, 20, 50, 100, 200, 500, 1000 MHz et full
Measurement map				
Capacity	scrolling 12 programs max.			
Display	graphical (bargraph)			
Check sat mode				satellite research with buzzer included 20 satellites max 5 transponders per satellite
Memory				
Saving	Internal RAM memory (5 years maxi)			
Data	places, mesurement (level BER/MER, measurement map, spectrum)			
Memory size	64 Kbytes (1000 files max.)			
Auxiliary				
RS232 interface	Mini DIN, RS232, DTE			
Input power supply	Jack 3,5 mm, 8-15 V max., 1A max,			
LNB power supply				
Voltage	24V, 250mA max. (option)			13/18V, 250mA max.
Disecq 1.2	-			yes 1.2
22 KHz	-			yes
General Specifications	SEFRAM 7802	SEFRAM 7803	SEFRAM 7804	SEFRAM 7805
Display	LCD STN B&W, backlight, 128 x 64 dots			
External power adaptor	input 90/250 VAC, plug IEC, jack 3,5mm, 15V/1A max.			
Battery	8 batteries NiMH, 1,2V 1500mAh mini			
Battery life	3 hours max.			
Built in charger	slow recharge, 16 hours max.			
Operating temperature	0 up to 40° C			
Storage temperature	-10 up to 60° C			
EMC and safety	NF-EN 61362-1 / NF-EN 61325-3 / NF-EN 61010-1			
Size	170 x 160 x 95 mm			
Weight	1,1 kg (with battery)			
Technical Specifications	7802	C-OFDM 7803	QAM 7804	QPSK 7805
Frequency range	45-865 MHz		45-865 MHz	900-2150 MHz
Bite Error Rate (BER)	CBER (before Viterbi)		VBER (after viterbi)	CBER (before Viterbi)
Modulation Error Ratio (MER)	5-30 dB		20-40 dB	0-20 dB
Carrier to Noise (C/N)	yes		yes	yes
Symbol rate	automatic		5-7 Ms/s	1-45 Ms/s
Bandwidth	6, 7, and 8 MHz		-	-
Number of carriers	2 K/8K (auto)		-	-
Constellation	QPSK, 16 QAM, 64 QAM (auto)		4, 16, 64, 128, 256	QPSK
Viterbi rate	1/2, 2/3, 3/4, 5/6, 7/8 (auto)		-	-
Constellation interval	1/4, 1/8, 1/16, 1/32 (auto)		-	-
Graphical constellation display	-	Yes	Yes (QAM)	Non
Standards	EN 300-744		EN 300-429	EN 300-421

Supplied with
Power supply adapter 90-250 V 50/60Hz, 15V/1A
8 rechargeable NiMH batteries
1 user manual

Accessoires :
Carrying case ref SC603
Transfer software ref TR7836
RS232 Cable ref SA230
Remote supply ref 978021000
(For 7802, 7803 or 7804)

Specifications subject to change without notice - FT780XA/00



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