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SEFRAM 7806

The ideal companion for Digital Terrestrial TV Display SD* and HD* TV programs

Robust and easy to use

With only 5 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.

All DVB-T measurements

The 7806 provides all measurements in DVB-T (COFDM modulation). You will have :BER, MER and lost packets.

SEFRAM 7806: remote supply from 5V to 24V is included

When the remote supply is needed for external amplifiers the 7806 will offer the following voltages 5V, 13V, 18V and 24V.

LCD colour display with display of MPEG-2 and MPEG-4 TV programs

The 7806 offers a bright LCD TFT display for measurements results and for free-to-air TV programs (MPEG-2 and MPEG-4).

All necessary functions available to analyse signals

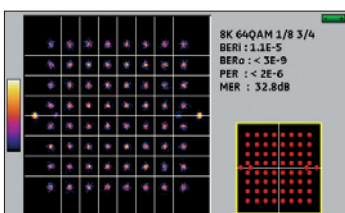
The 7806 includes a spectrum analyser, display the constellation diagram in COFDM and the echoes (guard interval).



**SEFRAM
7806**

USB interface

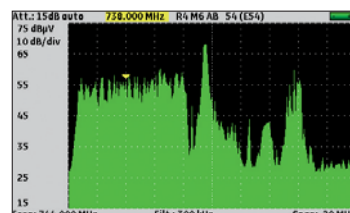
The 7806 includes two USB interfaces for updating and getting the benefit of free firmware updates. They can be used to transfer data to a computer to create reports when you measurements campaigns are done.



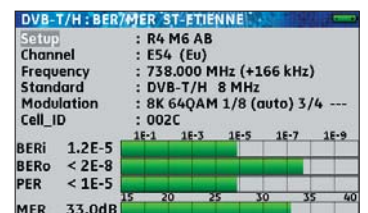
Constellation diagram

Parameters ST-ETIENNE			
Liste # : 1 ST-ETIENNE			
#	name	place	frequency configuration
51	R1 CH PU	ST-ETIENNE	E50
52	R2 L P B	ST-ETIENNE	E23
53	R3 CANAL	ST-ETIENNE	E39
54	R4 M6 AB	ST-ETIENNE	E54
55	TS HD	ST-ETIENNE	E29
56	R6 TP1 N	ST-ETIENNE	E26
58	TF 1	ST-ETIENNE	E35
59	FR 2	ST-ETIENNE	E30
60	FR 3	ST-ETIENNE	E33

Channels monitoring



Fast spectrum analysis



BER - MER in COFDM

CE * free to air

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INSTRUMENTS & SYSTEMES

Specifications

SEFRAM 7806

Frequency	
Range	45-865 MHz
Resolution	50kHz
Level measurement	
Dynamic range	20-120 dB μ V
Units	dB μ V, dBmV, dBm, V
Accuracy	± 2 dB \pm 0.05dB/ $^{\circ}$ C
Resolution	0,1dB
Measurement filter	300kHz
Standards	B, G, D, K, I, L, M, N, FM, DVB-T/H
Digital measurements	
Error rate measurement	DVB-T/H CBER (before correction), VBER (after correction), UNC/PER (lost packets)
Modulation error rate (MER)	0-35dB
Bandwidth	5, 6, 7 or 8 MHz
Viterbi	1/2, 2/3, 3/4, 5/6, 7/8 (auto)
Guard Interval	1/32, 1/16, 1/8, 1/4 (auto)
Carriers	2k / 8k (auto)
Standard	EN 301-701
Spectrum analysis	
Sweep rate	150 ms typical, 400 points
Filter	1 MHz
Attenuator	automatic (0 to 60 dB, with 10 dB steps)
Dynamic (display)	60 dB (10 dB/div)
Span	0, 5, 10, 20, 50, 100, 200, 500MHz and full span
Measurement map	
Capacity	scrolling of 50 programs max.
Display	texte
Constellation diagram	
Display	graphical display, 16QAM/64QAM/QPSK
Memory	
Data	frequency maps, measures, spectrum, constellation diagrams, echoes
Capacity	1000 files max.
Input / Output	
Interface	USB A and USB mini B
Power supply input	15V / 1A with 5.5mm jack
Remote supply	
Voltage	5/13/18/24V, 500 mA max (300mA max. for 24V)
RF input	
Connector	75 Ohms (F type or BNC type with adaptors supplied)
Maximum input voltage	80 V DC, 80 Vrms./50Hz
Audio and video decoding	
Audio	digital TV sound: AAC, HE-AAC, Dolby Digital, Dolby Digital Plus
Video	digital TV programs: MPEG2, MPEG4 576i, 720p, 1080i free to air
General Specifications	
Display	TFT coloured LCD, 4.3 inches (16:9), with backlight
Power supply	main adaptor 100-240V, 15V DC / 1A output
Battery (non removable)	Lithium Ion, 10.8V/2.25Ah (life time 200 charge/discharge)
Autonomy	2 hours 15mn (typical) with HD TV picture and remote supply
Charging time	full charge of the battery in 2H15 (instrument switched-off)
Operating temperature	-5 $^{\circ}$ C to 45 $^{\circ}$ C
Storage temperature	-10 $^{\circ}$ C to 60 $^{\circ}$ C
EMC and safety	EN-61010-1, EN61326-A1 and A2, EN55022 (B)
Dimensions	200 x 190 x 100 mm
Weight	1,5kg

Supplied: main charger/adaptor, user manual on CD-ROM, F/BNC and F/F adaptor, carrying belt.

Optional accessories : USB cable (A to mini B): P/N. 978551100
Car cigare lighter adaptor: P/N 978361000
F/F adaptor : P/N 213200015

Dolby Digital and Dolby Digital Plus are trade mark of Dolby Laboratories



FT 7806 A00- Specifications can be updated without notice



32, rue Edouard Martel • B.P. 55 • 42009 - St Etienne cedex 2



Fax. +33 (0).4.77.57.23.23

Web : www.sefram.fr • e-mail : sales@sefram.fr

For assistance and ordering

