

TV Meters catalogue

2009

Sefram

New
DESIGN

Solutions for digital television

Product

Large 7" screen
with enhanced resolution



Capabilities



New pouch
for accessories



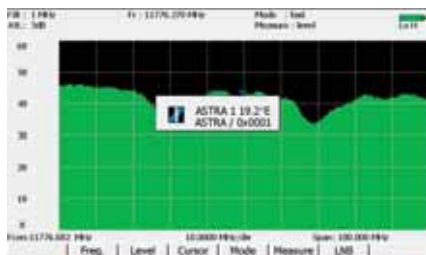
New option for Wi-fi
networks measurement



BNC :
easy to use

Sefram
INSTRUMENTS & SYSTEMES

A new family of TV meters for all your digital measurements



Spectrum analysis

- 2 modes for spectrum analysis :
 - ultra fast mode for satellite dish alignment
 - expert mode for accurate signal diagnosis



Frequency map:

Display and record of all measurements.



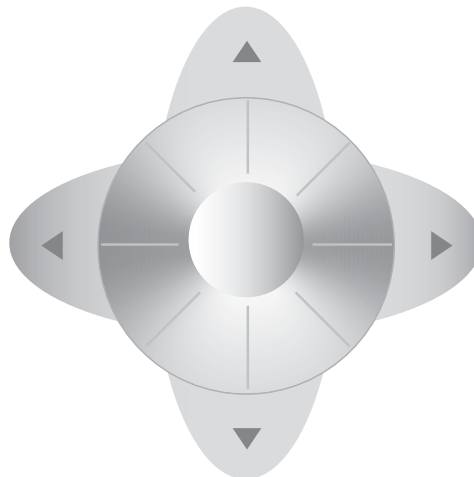
Autoset mode:

Automatically search available channels for all TV standards.



Checksat mode:

- Fast alignment of dish antenna
- Works with dual LNB antenna.



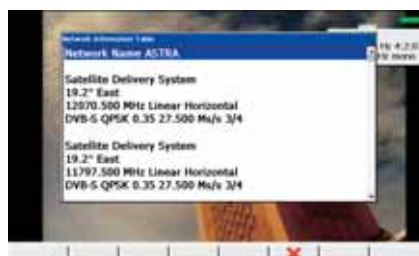
Impulse response:

Allows fast check of echoes for terrestrial TV.



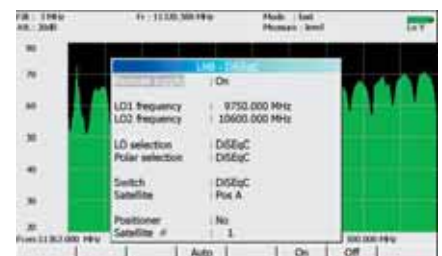
GPS mode :

Record geographic position and signal characteristics.



NIT:

Display terrestrial and satellite network name and information.



DISEqC 1.2 :

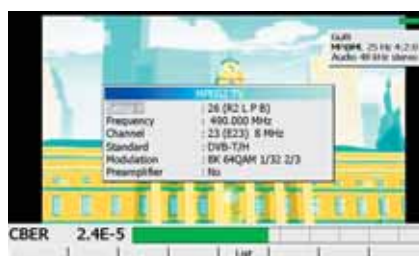
Drive switches and positioners.

New feature



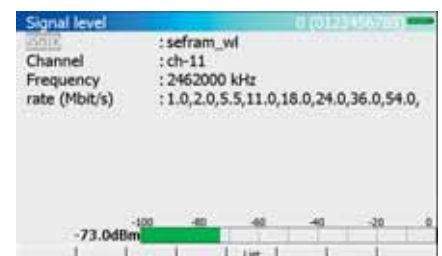
Software update :

Fast and Easy : no need to connect your TV Meter to a computer. A standard USB key is used to update the internal software.



TV picture :

A new 7 inches LCD coloured screen is used to provide high quality TV pictures, for analogue and digital programs.



Wifi measurements :

With the new option, you can perform measurement on Wifi networks.

SEFRAM 7861 and 7862

For all your terrestrial, cable and satellite applications, analog and digital
Fully compatible DVB-T, DVB-C, DVB-S and DVB-S2

Rugged carrying case

WARRANTY
2
YEARS

7 inch panoramic colour screen

Sefram 7861 and 7862 :

- Frequency range : 45MHz to 2150MHz
- Full measurements for all modulations : QPSK, 8PSK, C-OFDM, MPEG-2 and MPEG-4
- Power, BER, MER for digital terrestrial TV, starting at 35dBμV

New feature

Sefram 7862 :

- Includes QAM measurements.

Waterproof front panel

New feature



Impulse response
implemented in SEFRAM 7861 and 7862
Allows fast and accurate check of echoes for digital terrestrial TV



New carrying pouch
for accessories
P/N: 978656500
Option for 7861 and 7862
Supplied with 7863, 7865 and 7866

Selection Guide

	SEFRAM 7861	SEFRAM 7862
DVB-T (C-OFDM). Full measurement	✓	✓
DVB-S / DVB-S2 (QPSK/8PSK). Full measurement	✓	✓
DVB-C (QAM)-Full measurement 45-865 MHz	-	✓
Fast spectrum analysis	✓	✓
Video Input and Output	✓	✓
Autoset mode	✓	✓
NIT (Network Identification Table)	✓	✓
Cell ID	✓	✓
Checksat Mode	✓	✓
Display TV programs for DVB-T	✓	✓
Display TV programs for DVB-S and DVB-S2 free TV	✓	✓
DISeqC	✓	✓
Display pay TV programs* for satellite	-	✓
Impulse response	✓	✓
Satellite identification on spectrum	✓	✓
Wi-fi networks measurements	option	option

* user must have a valid subscription and encryption type must be compatible (check with our sales department).

SEFRAM 7863, 7865, 7866

The most complete TV Meters available on the market fully compatible with all standard DVB-T, DVB-S, DVB-S2, DVB-C

Sensitive push-buttons

WARRANTY
2 YEARS

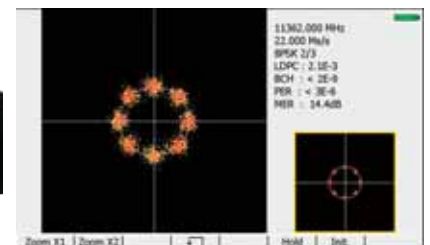
Sefram 7865 and 7866

- Frequency range: 5MHz to 2150MHz
- Full measurements for all modulations: QPSK, 8PSK, C-OFDM, MPEG-2 and MPEG-4
- Power, BER, MER for digital terrestrial TV, starting at 35dBμV
- Constellation pattern

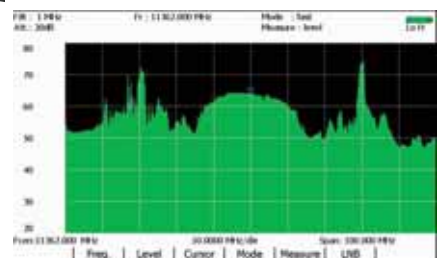
Sefram 7863

- Frequency range: 5MHz to 865MHz
- Full measurements for QAM, J.83A and J.83B standards
- Display TV programs for DVB-C free TV
- Constellation pattern for DVB-C

Flat rotary encoder



Constellation pattern in DVB-S2



Spectrum analysis in "expert" mode for adjacent channels investigations.



GPS function

For 7866, to map your measurements

Selection Guide

SEFRAM 7863 SEFRAM 7865 SEFRAM 7866

DVB-T (C-OFDM). Full measurement	-	✓	✓
DVB-S / DVB-S2 (QPSK/8PSK). Full measurement	-	✓	✓
DVB-C (QAM)-Full measurement including return path	✓	✓	✓
Fast spectrum analysis. (Basic mode) and expert mode	✓	✓	✓
NIT (Network Identification Table)	-	✓	✓
Cell ID	-	✓	✓
Checksat Mode	-	✓	✓
Display TV programs for DVB-T	-	✓	✓
Display TV programs for DVB-S and DVB-S2 free TV	-	✓	✓
Impulse response	-	✓	✓
Display TV programs for DVB-S and DVB-S2 pay TV*	-	✓	✓
Video Input and Output	✓	✓	✓
OSD TV	✓	✓	✓
Recorder Mode (graphical)	✓	✓	✓
Constellation display	✓	✓	✓
Audio & video PID information	✓	✓	✓
Frequency response	-	✓	✓
DiSeqC for driving switches and dish antennas (full)	-	✓	✓
GPS	-	-	✓
ASI output	-	-	✓
Satellite identification on spectrum	-	✓	✓
Wi-fi networks measurements	-	option	option

* user must have a valid subscription and encryption type must be compatible (check with our sales department).

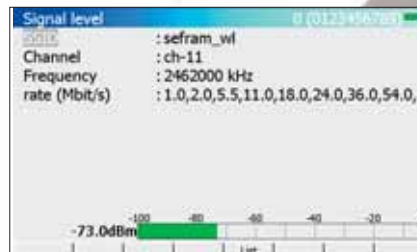
New optional feature for all models (Sefram 7861 to 7866)

Measurements of Wifi signals

- ▶ The new family of TV Meters makes possible measurements of Wifi signals.

User will get all necessary information:

- channel information
- SSID
- frequency
- symbol rates available
- power measurement (in dBm)



- ▶ The Wifi kit includes the USB Wifi adaptor and the specific software for the TV Meter.

Note: Wifi measurements are possible only with the adaptor supplied by SEFRAM.

P/N : 978651000

Robust, Easy to use and accurate for all your digital applications

Capabilities :

- ▶ New shockproof housing for extensive field use
- ▶ Easy-to-use with direct access to functions
- ▶ Record of measurements, frequency maps and programs
- ▶ Supplied with: 8 NiMH batteries, mains adaptor and BNC/F adaptor
- ▶ USB interface



Dedicated to terrestrial TV/DVB-T :

SELECTION GUIDE	SEFRAM 7803B
Frequency band	45 MHz to 865 MHz
Dynamic range	20dBμV to 120 dBμV
C-BER / V-BER	yes
MER	yes
Spectrum	yes
Constellation	yes
Autonomy	3 hours
Remote supply	order 7803BT

- Analog and digital terrestrial TV measurements
- MPEG-2 and MPEG-4 stream measurements
- Spectrum analysis and constellation pattern
- USB interface

Dedicated to cable :

TV/DVB-C and internet application
J83-A and J83-B standard

SELECTION GUIDE	SEFRAM 7804B
Frequency band	5 MHz to 865 MHz
Dynamic range	20dBμV to 120 dBμV
C/N measurement	yes
BER, MER	yes
Spectrum	yes
Constellation	yes
Autonomy	3 hours
Remote supply	order 7804BT

- Analog and digital TV measurements for QAM & COFDM
- Fully compatible with J83-A and J83-B standard
- Spectrum analysis and constellation pattern
- USB interface

ROBUST, EASY TO USE AND ACCURATE

For all your digital applications

Dedicated to satellite
TV/DVB-S :

CARACTERISTIQUES TECHNIQUES	SEFRAM 7805B
Frequency band	900 MHz to 2150 MHz
Dynamic range	30dBµV to 110 dB µV
C/N measurement	yes
BER, MER	yes
Spectrum	yes
Checksat mode	yes
Autonomy	3 hours
Remote supply	yes



Sefram 7805B :

- Fully compatible with DVB-S and DVB-S2
- BER, MER measurement in QPSK and 8PSK
- Spectrum analysis
- USB interface
- DISEqC 1.2

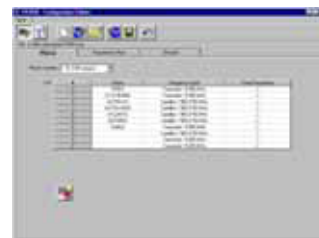
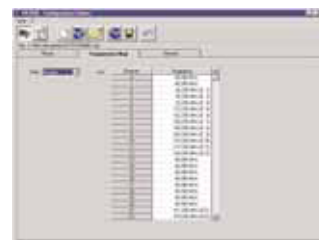
KIT TR7836

Software compatible with all SEFRAM TV Meters



TR7836 software allows to :

- ▶ Create and upload frequency maps and programs
- ▶ Download measurements saved in your TV Meter
- ▶ Generate measurements report with Excel *



Best value accessories for your TV Meters



Car cigarette
lighter adaptor
P/N: 978366100



Luxury
carrying pouch
P/N: 978360000



Carrying pouch
for accessories
P/N: 978656500

SEFRAM TV Meters are designed and manufactured in our plant of Saint-Etienne (France)

Any question? Please do not hesitate to call our technical support +33 (0)4 77 59 36 97

Specifications subject to change without notice - FTMESUR2009A



32, rue Edouard Martel
B.P. 55 - 42009 St Etienne Cedex - France
+33 (0)4.77.59.36.81 - Fax. +33. (0)4.77.57.23.23
Web : www.sefram.fr • e-mail : sales@sefram.fr



For assistance and ordering



Distributed in Australia by:

NAS Australia

28 Newstead Terrace, Newstead, 4006 ABN: 46 010 372 362

P: 07 3252 2947

E: nas@nasaustalia.com.au

F: 07 3252 8541

W: www.nasaustalia.com.au