TV METERS Catalogue

The most innovative TV Meters for digital television

Multistream
GPS
Optical Fiber
Digital Radio
Shoulder

HD TV

TV ANALYSER

4K ULTRAHD

Designed and manufactured in our plant of Saint-Etienne (France)

BK PRECISION

Sefram

7880-4k: A new family of TV Meters to meet the requirements of the XXI century !

NEW

H.265 4k decoding
Weights less than 3Kg

4K ULTRA**HD**

2 YEAR WARRANTY

10 inch panoramic touchscreen

ANALYSER

Sefram

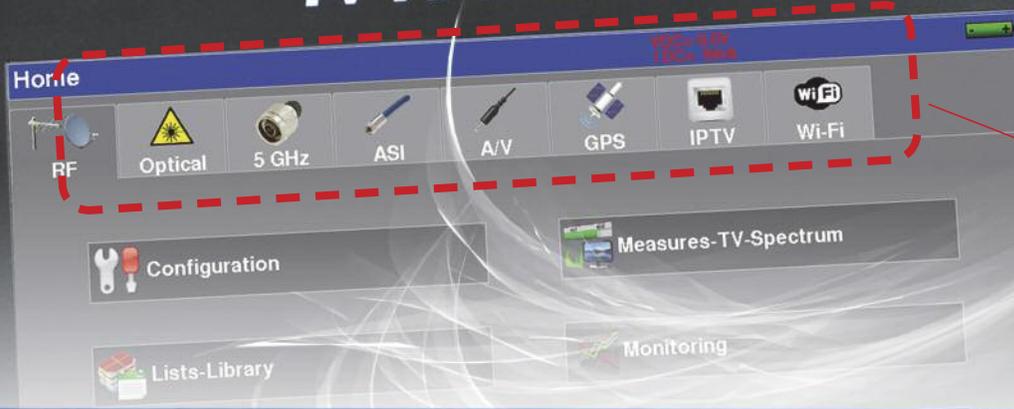*Rugged housing with protective bumpers*

IPTV
HD TV
Multistream
Optical fiber
GPS
Digital radio
Shoulder

- H.265 4k HDR
- DVB-C/C2 J83B
- DVB-T/T2 Lite
- Analogue TV
- DVB-S/S2, multistream
- Optical fiber
- IPTV
- DAB DAB+
- GPS
- WiFi
- FM-RDS
- ASI
- Network Delay analysis
- Shoulder
- TDMI via IP
- PVR

Sefram
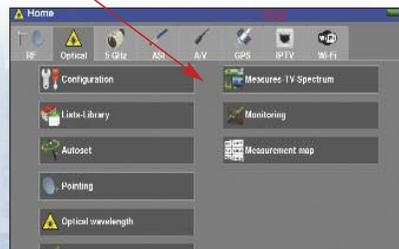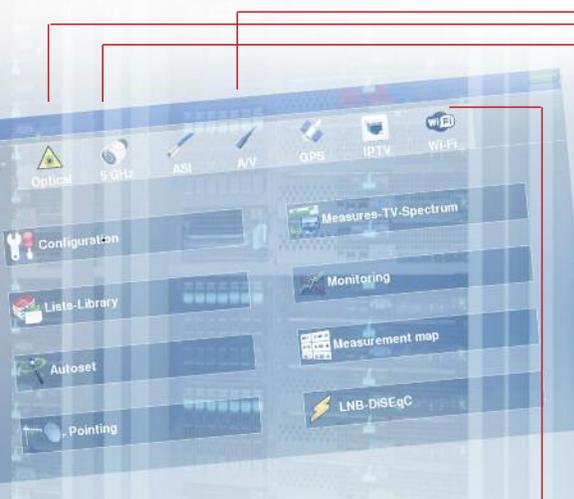
Specific measurements: your TV Meter will meet all your needs

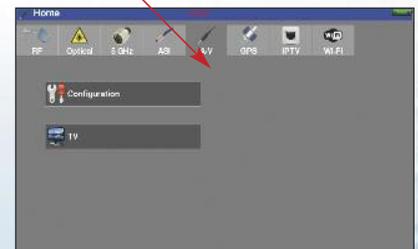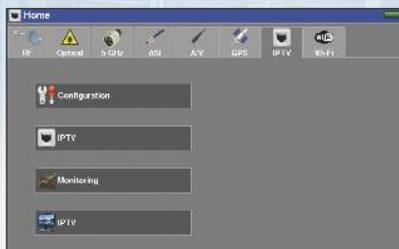One menu bar to easily select the functions or the specific input
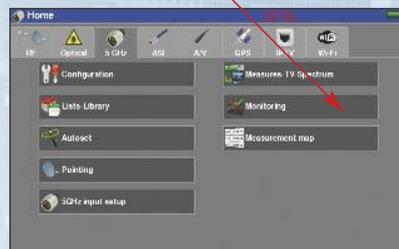
Specific menus to save time

To qualify an optic fiber network for terrestrial, cable or satellite TV.

Some TV networks still use analogue programs: your TV analyser will provide the TV programs decoding and display. The analogue input / output are usefull to check signals from HD analogue cameras.

All necessary function to qualify your IPTV networks

The 5GHz input is dedicated to specific 5GHz LNB for satellite dishes.
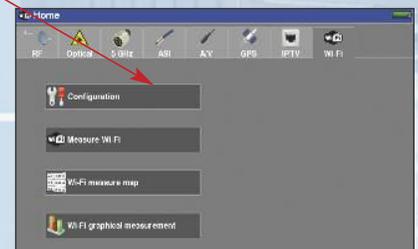
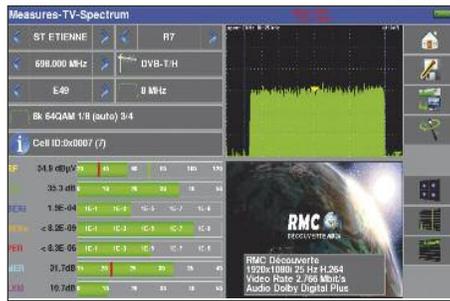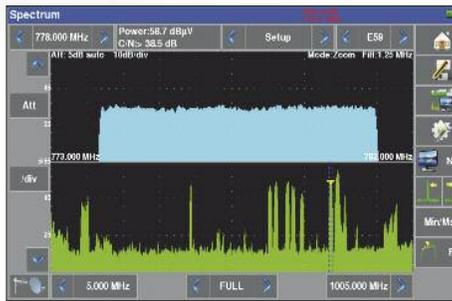WiFi networks can be analysed with specific functions and measurements.

For head broadcasting stations, the ASI input / output will provide the transport stream analysis.

Using the internal GPS makes the mapping of a geographical area very easy and convenient.
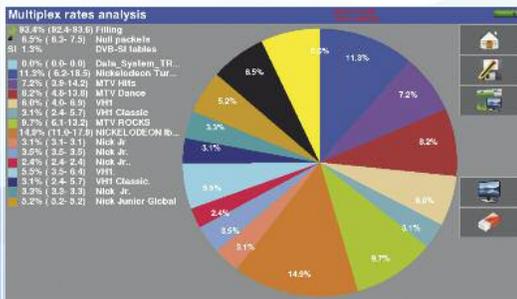
BKPRECISION

Analyse and measure
with the best accuracy

A zoom function is provided to check in detail TV signals and the quality of the TV installation.
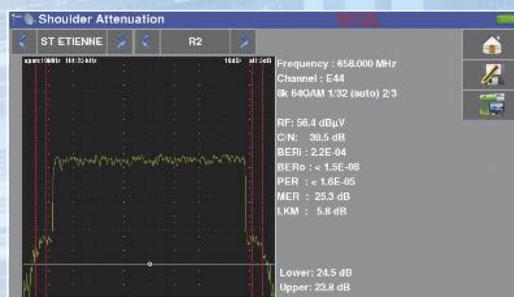
A single screen with all necessary information

MPEG-2 and MPEG-4 data flow analysis
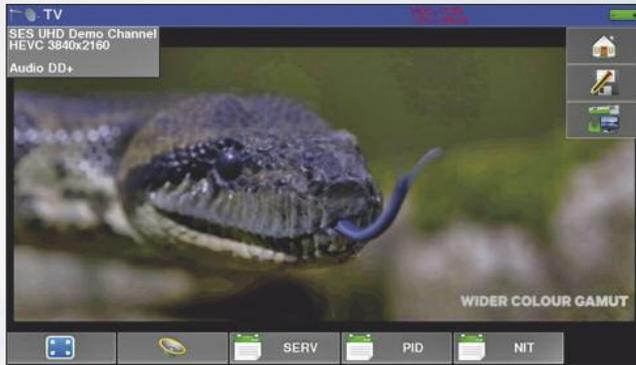# according to ETR 101-290

Checking the content of the multiplex data flow is now possible with log file capability.

Shoulder measurement for DVB-T
and DVB-T2 reception

Sefram

Today's and tomorrow's measurements

H.265 4k HDR

4K ULTRAHD

Decoding and display of H.265 (4k) UHD TV programs

IPTV

The ideal tool to test your IPTV network: hotels, hospitals, industry,...

Optical Fiber

All measurements for optic fiber are provided
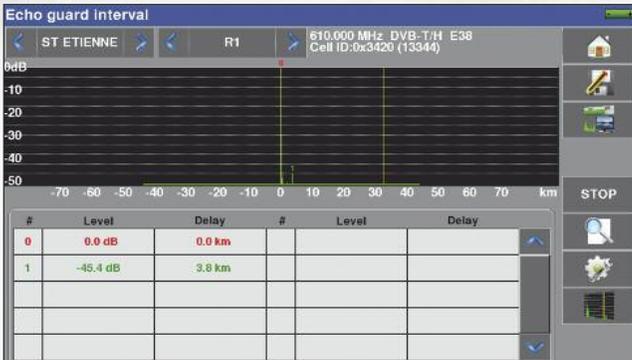
DAB DAB+

FM-RDS

DAB, DAB+, FM with RDS analysis is provided. Stereo sound is available with headphone output.
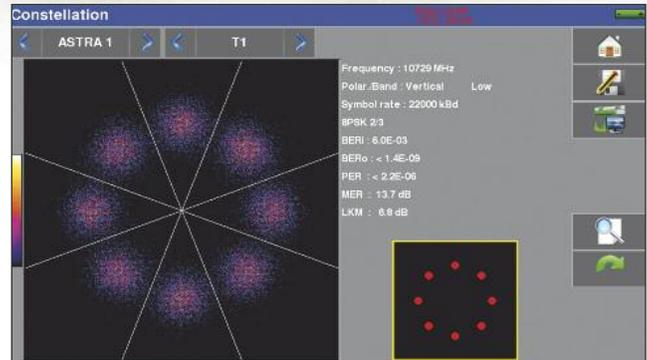
All necessary measurements

Real time echoes and impulse response
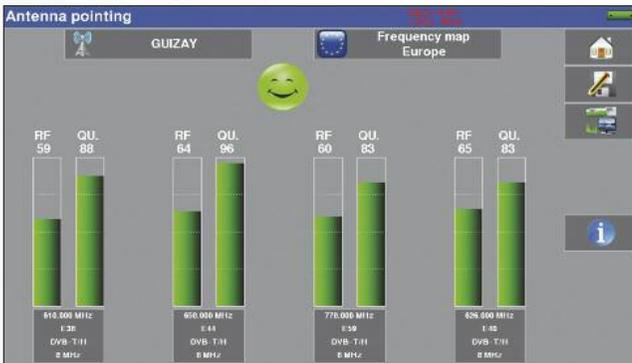

Real time echoes and pre-echoes

Constellation diagram

Display of the constellation diagram for all digital standards

Antenna pointer

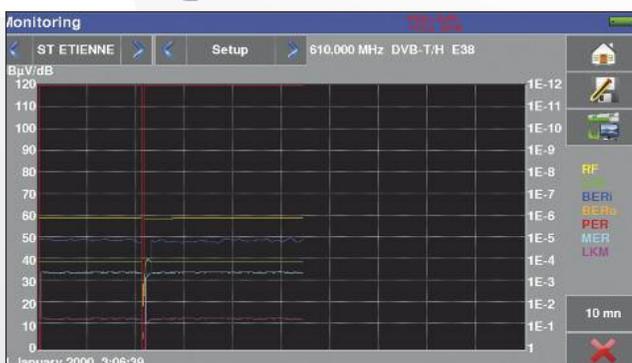*A dedicated function to save time: check sat mode and pointing function for terrestrial.*

Measurement map

Measurements recording (for all TV standards) in the TV Meter memory.

To find all TV signals issues

Monitoring

Graphical display of several parameters versus time is provided.

Measurement map

Select the frequencies you want to monitor: all measurements will be recorded with timestamped information. Your records can be transferred on USB memory stick. Files (.csv) can be read and used with Excel™.

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TR7837: dedicated software for all SEFRAM TV Meters
Set up, measure and analyse!

Select the most appropriate solution to protect and carry your TV analyser

This carrying bag is supplied as standard accessory
P/N 978851000

The sun protector is standard for all models. You can work in the best conditions using this protector.

The rugged transport case is optional
P/N: 978852000

Car cigar lighter converter
P/N: 978361000

Audio-video cable
P/N: 978853000

Remote control your TV analyser: it will make everything you desire!

The GPS provides a very powerful mapping function for the signals received

Check all WiFi networks working with 2,4GHz or 5,0GHz

WiFi
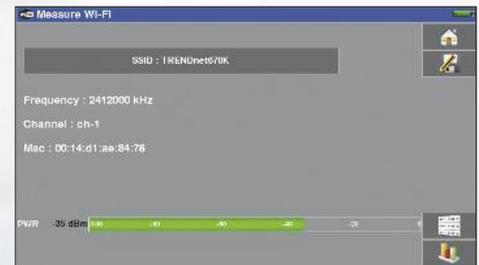
Network Delay analysis for DVB-T Reception

Network Delay analysis

Sefram

Selection guide

	Sefram 7880-4k	Sefram 7881-4k	Sefram 7882-4k	Sefram 7885-4k
Bandwidth	5-MHz to 1005 MHz , 900 MHz to 2400 MHz			
Wideband LNB compatible	✔	✔	✔	✔
H.265 TV 4k decoding	✔	✔	✔	✔
MEPG-2, MPEG-4 HEVC decoding H,264	✔	✔	✔	✔
DVB-T/T2/T2Lite,DVB-C/C2,DVB-S/S2(MS)	✔	✔	✔	✔
DVB-S2X	option	option	option	option
DVB-C/C2 : J83A, J83B	✔	✔	✔	✔
Fast spectrum analysis	✔	✔	✔	✔
Impulse response: echoes and pre-echoes in DVB-T and DVB-T2	✔	✔	✔	✔
Constellation diagram for all standards	✔	✔	✔	✔
DCSS and SatCR (EN50607)	✔	✔	✔	✔
External software compatibility (TR7837)	✔	✔	✔	✔
Expert spectrum analysis	✔	✔	✔	✔
Display free HD 2k programs for terrestrial, cable and satellite	✔	✔	✔	✔
Analogue program decoding and display	✔	✔	✔	✔
Video I/O	✔	✔	✔	✔
HDMI output	✔	✔	✔	✔
WiFi 2,4GHz and 5GHz	✔	✔	✔	✔
Ethernet interface	✔	✔	✔	✔
MER per carrier	-	✔	✔	✔
CAM common interface	-	✔	✔	✔
Web server	-	✔	✔	✔
ASI I/O	-	-	✔	✔
IPTV decoding and analysis	-	-	✔	✔
Shoulder measurement	-	-	✔	✔
SFN delay for DVB-T -	-	-	-	✔
T2MI via IP	-	-	-	✔
Network Delay analysis	-	-	-	✔
MPEG TS analysis (ETR 101-290, bit rate)	-	-	-	✔
Optical input	-	-	-	✔
DAB, DAB+, FM RDS	-	-	-	✔
GPS	-	-	-	✔
PVR recording NEW	-	-	-	✔

SEFRAM 7848B: TV Meter for digital terrestrial and digital satellite TV
The ideal companion for the installer

The SEFRAM 7848B has been designed to ease the installation of terrestrial and satellite antennas : we have optimized the man-machine interface, taking the best benefit of the touch screen, to ease the process and save time.

7 inch touchscreen

Wide Band

DVB-S2X

Analogue video input

Rugged metal housing with protective bumpers
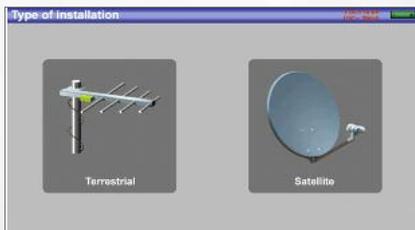
Choice between terrestrial and satellite.

A detailed menu is provided for each type of installation.

New terrestrial pointing function, with the name of multiplex found.

In satellite mode, the checksat provides the NIT. No error possible!

All measurements are displayed with a clear color set: green if measurement is OK, red if measurement is off limits.

Display of free-to-air SD and HD programs.
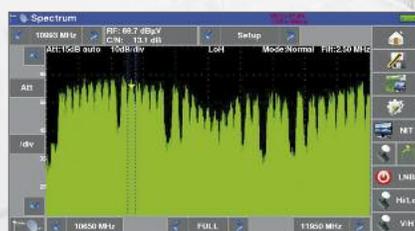
Simplified spectrum analysis.

Sefram 7849B: TV Meter for digital terrestrial, cable and satellite TV

A single screen for all measurements and spectrum.

Measurement map for terrestrial, cable and satellite.

Constellation diagram in terrestrial, cable and satellite.

Fast spectrum analysis.

Sefram 7859B: dedicated to optical fiber networks

Measurement map for terrestrial, cable and satellite.

Constellation diagram in terrestrial, cable and satellite.

Optical power measurement

Fast spectrum analysis

Sefram 7817B: dedicated to digital cable and terrestrial TV.

Powerful Autoset for terrestrial, cable.

A single screen for all measurements and spectrum.

Fast spectrum analysis.

Selection guide

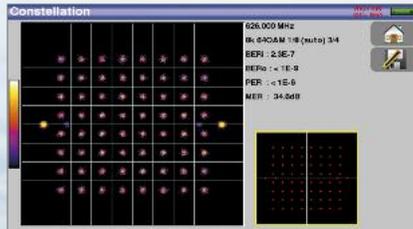|	Sefram 7817B	Sefram 7848B	Sefram 7849B	Sefram 7859B
Bandwidth	5-1005MHz	5-2400MHz	5-2400MHz	5-2400MHz
Wideband LNB compatible	-	✔	✔	✔
DVB-T, DVB-T2, DVB-T2 Lite, full measurements	✔	✔	✔	✔
DVB-S, DVB-S2, full measurements	-	✔	✔	✔
DVB-S2X	-	option	option	option
DVB-C, DVB-C2 (J-83A), full measurements	✔		✔	✔
NIT (Network Identification Table) for satellite	-	✔	✔	✔
Cell Id (for terrestrial band)	✔	-	✔	✔
Pointing mode for satellite (checksat)	-	✔	✔	✔
Pointing mode for terrestrial	✔	✔	✔	✔
Display free-to-air HD terrestrial programs	✔	✔	✔	✔
Display free-to-air HD satellite programs	-	✔	✔	✔
Echoes display in DVB-T and DVB-T2	✔	✔	✔	✔
DiSEqC 2.1	-	✔	✔	✔
SatCR and DCSS (EN50607)	-	✔	✔	✔
External power supply 5V/13V/18V:24V	✔	✔	✔	✔
USB interface	✔	✔	✔	✔
Free software update from Sefram website	✔	✔	✔	✔
Optical measurements for terrestrial, cable and satellite	-	-	-	✔
Optical power measurement	-	-	-	✔
Rain and sun protector, with belt clip	option	option	option	option

Luxury carring bag optional
P/N: 978751000

Rugged transportation case
P/N: 978852000

Rain and sun protector kit for 7817B, 7848B, 7849B, 7859B.
This kit includes the belt clip. P/N: contact us

Sun protector for 7817B, 7848B, 7849B, 7859B.
P/N: contact us

Replacement carrying bag (supplied with each TV meter)
P/N: 978481000

◼ Sefram 7940

Optical power meter

- Optical power measurement in dBm or mW
- 5 wavelengths available: 850mm, 980mm, 1300mm, 1550mm
- Insertion loss measurement
- Panoramic LCD with backlight
- Auto power-off

2 YEARS warranty

Specifications

Display	graphical LCD with backlight
Wavelength	850, 980, 1300, 1310, 1550nm
Dynamic	-50 to +26 dBm
Accuracy	linear: 0.1% - non linear: 0.01dBm

Supplied with: batteries, manual, protective holster, carrying pouch, connectors.
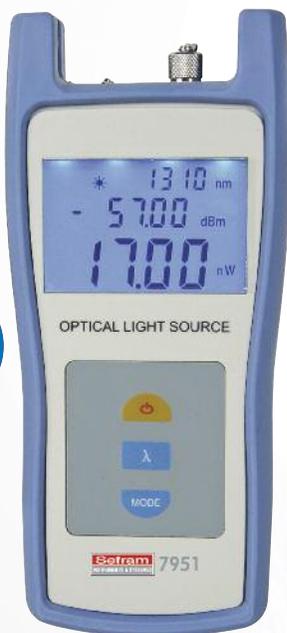
◼ Sefram 7951

Optical light source

- Provides 2 wavelenghts for single mode fiber
- Modulated output
- Compact housing with protective holster
- Easy-to-use

2 YEARS warranty

Specifications

Display	graphical LCD with backlight
Wavelength	1310mm, 1550mm
Modulation	270Hz, 1kHz, 2kHz
Output powe:	-7 dBm

Supplied with: batteries, manual, protective holster, carrying pouch, connectors.

Sefram 7951M: Provides 2 wavelenghts (850 and 1300 nm) for multi-mode fiber

◼ Sefram 7950

Visual fault finder

- Low cost solution for testing the continuity of fibers
- Laser source with 650nm (visible)
- CW or pulse mode
- Robust metal case

Specifications

Output wavelength	650 +/- 10 nm
Output power	3mW
Pulse mode	2-3 Hz

Supplied with: batteries, manual, carrying pouch

Optical fiber not supplied

Sefram customer support

Sefram *Industrial site*

Technical support

Our technical support team is ready to help you to get the most out of all of our Sefram products.
We will answer all your technical questions:

- Help to start with your instrument
- Technical information on products
- Software install and setup
- Selection of products for specific applications

Contact us: +33.(0)4.77.59.36.97 or +33.(0)4.77.59.36.82

Free software updates for all Sefram products

Our website provides the latest embedded software for all products. Please browse our website to check the latest updates for your products.
www.sefram.com

Sefram's Services:

To contact our after-sales department by e-mail: services@sefram.com
To ship back material for calibration or repair:
SEFRAM - SAV - 32, rue Edouard Martel BP 55 - F42009 SAINT-ETIENNE Cedex 2 - France.
To ease the receipt, we ask you to download from our website and fill the RMA as indicated on the PDF.
The RMA filled should be inserted in the parcel with the product returned (one RMA per product).

Using SEFRAM's services, you will:

- Get the best price for repair and maintenance
- Get a quote in a very short period of time
- Get a warranty for your repair or upgrade

Sefram

Sefram is also:

Do not hesitate to ask for our Data acquisition solution catalogue

CE

FTMESCH2020UK - Specifications can be updated without notice

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afaq
ISO 9001
Qualité
AFNOR CERTIFICATION
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