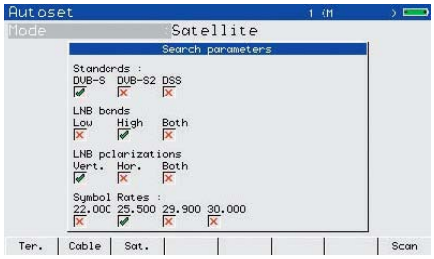
Sefram 7851GB TV Meter

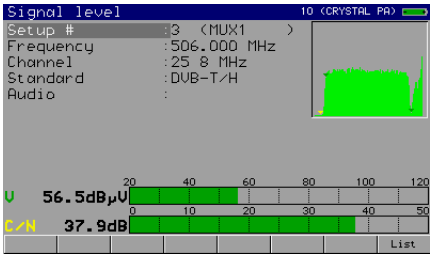
For use with SKY IRS ‘Completion Certificate’

- Simply download all recorded terrestrial & satellite readings to SKY Excel® Signal Records Sheet
- Lightweight only 2.1kg
- Large 6.5inch colour screen
- Quick 1hr battery recharge
- Protective carrying case
- 45-865MHz, 950-2150MHz
- COFDM DVB-T, Analog TV, FM, DAB Carrier, 8PSK DVB-S2, QPSK DVB-S, MPEG-2, MPEG-4

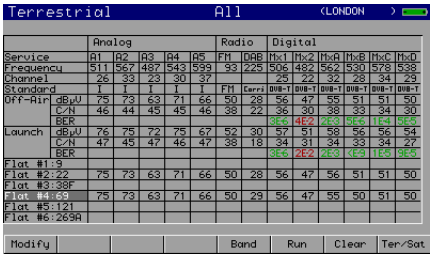
Autoset search – SAT or UHF



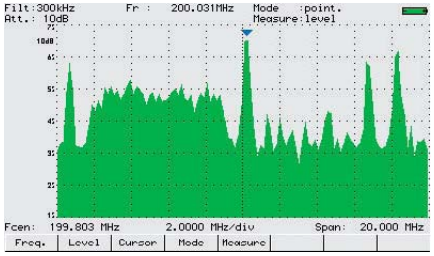
Measure level, BER, MER, C/N



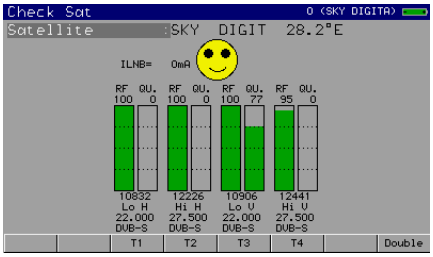
SKY measurement maps – See Page 2



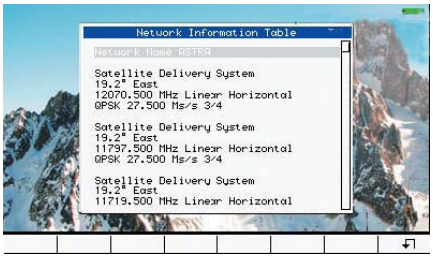
Ultra fast spectrum analysis



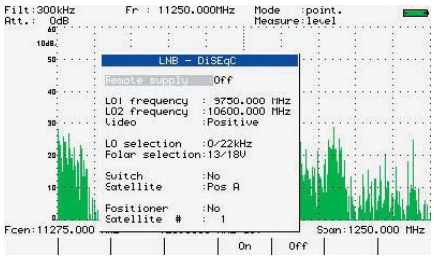
Fast CheckSat dish alignment aid



NIT shows network name & info



LNB – DiSEqC 1.2



Optional car charger accessory

Many other models available

Metrix Electronics Ltd, Precision Enterprise House, Rankine Road, Basingstoke RG24 8PP
Tel: +44 (0)1256 864150, Fax: +44 (0)1256 864154, E-mail: sales@metrix-electronics.com

Sefram 7851GB TV Meter

Using the SKY Measurement Map

Terrestrial Screen Measurements

Select a line: **Off-Air**, **Launch** or a **Flat** using the meter's Up/Down keys. Choose the **Band** for the selected scan:

Off-Air: UHF-TV (Analog & Digital), **FM** or **DAB**
Launch: All (Analog, Radio & Digital)
Flat No: All (Analog, Radio, Digital & Satellite)

Terrestrial All (LONDON)

		Analog					Radio		Digital					
Service		A1	A2	A3	A4	A5	FM	DAB	Mx1	Mx2	MxA	MxB	MxC	MxD
Frequency		511	567	487	543	599	93	225	506	482	562	530	578	538
Channel		26	33	23	30	37			25	22	32	28	34	29
Standard		I	I	I	I	I	FM	Carri	DVB-T	DVB-T	DVB-T	DVB-T	DVB-T	DVB-T
Off-Air	dBµV	75	73	63	71	66	50	28	56	47	55	51	51	50
	C/N	46	44	45	45	46	38	22	36	30	38	33	34	30
	BER								3E6	4E2	2E3	5E6	1E4	5E5
Launch	dBµV	76	75	72	75	67	52	30	57	51	58	56	56	54
	C/N	47	45	47	46	47	38	18	34	31	34	33	34	27
	BER								3E6	2E2	2E3	<E9	1E5	9E5
Flat #1:9														
Flat #2:22		75	73	63	71	66	50	28	56	47	56	51	51	50
Flat #3:38F														
Flat #4:69		75	73	63	71	66	50	29	56	47	55	50	51	50
Flat #5:121														
Flat #6:269A														

Modify | Band | Run | Clear | Ter/Sat

Satellite Screen Measurements

Select a line: **Off-Air**, **Launch** or a **Flat** using the meter's Up/Down keys. Choose the **Band** for the selected scan:

Off-Air: Lo H, **Lo V**, **Hi H** or **Hi V**
Launch: Lo H, **Lo V**, **Hi H** or **Hi V**
Flat No: All (Analog, Radio, Digital & Satellite)

Satellite Hi H (LONDON)

		Low band				High band			
Service		Sat 1	Sat 2	Sat 3	Sat 4	Sat 5	Sat 6	Sat 7	Sat 8
Frequency		10832	10906	11508	11681	11836	11973	12266	12441
Polarization		H	V	H	V	H	V	H	V
Standard		DVB-S	DVB-S	DVB-S	DVB-S	DVB-S	DVB-S	DVB-S	DVB-S
Off-Air	dBµV	22	29	26	26	19	27	19	28
	C/N	1	5	2	2	1	2	1	2
	BER	?	?	?	?	?	?	?	?
Launch	dBµV	22	33	24	26	30	19	30	19
	C/N	2	3	2	2	2	1	2	1
	BER	?	?	?	?	?	?	?	?
Flat #1:9									
Flat #2:22		26	29	29	24	29	27	24	24
Flat #3:38F									
Flat #4:69		30	29	29	22	28	22	19	19
Flat #5:121									
Flat #6:269A									

Band | Run | Clear | Ter/Sat

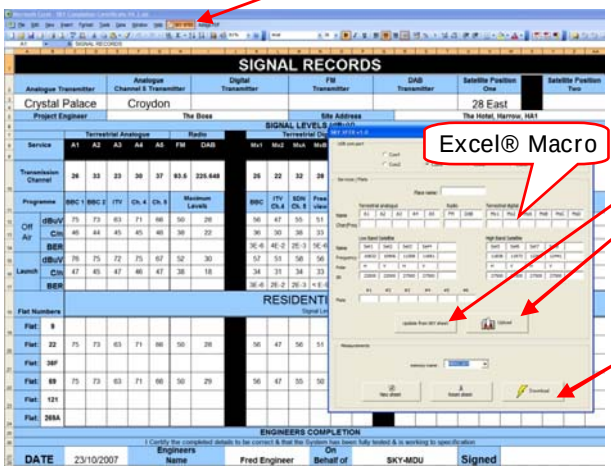
Press the **Run** key to start measurements. This scans the channels and enters values in the SKY Map cells until the **Stop** key is pressed.
During a **Flat** measurement scan the meter automatically switches between **Terrestrial** and **Satellite** screens.
Note: SKY Map measurements are automatically retained when the meter is switched off.

Once all **Off-Air**, **Launch** and all **Flat** measurements for an installation have been recorded, press the **Save** key to save the measurements in the meter's memory. The Terrestrial and Satellite screens are both saved together in one file.

SKY 'Completion Certificate' & Excel® Macro

The SIGNAL RECORDS sheet of the supplied version of the SKY Completion Certificate Excel® file includes a Macro function. This Macro enables settings to be Uploaded to the 7851GB meter and measurements to be Downloaded.

The Macro is activated by the SKY XFER button on the Excel® toolbar.



Uploading settings to 7851GB meter

Enter Terrestrial Analogue and Digital Channel numbers in the SIGNAL RECORDS sheet. FM & DAB frequencies, and Flat Nos. can also be entered. (8 SKY Satellite services are pre-loaded).
Click **Update from SKY sheet** button.
Click **Upload** button to transfer settings to 7851GB TV meter.

Downloading readings from 7851GB to Excel®

Select the required saved file to download (e.g. MEM2.SKY).
Click **Download** button. This transfers the channels, flat numbers and all measurements (Off-Air, Launch and Flats), plus the file date to the current Excel® SIGNAL RECORDS sheet.

Complete the SKY-MDU SIGNAL RECORDS Sheet

Close the Macro. Enter the additional information required in the SIGNAL RECORDS sheet – such as transmitter names, site address and engineer's name. Complete the SYSTEM RECORDS sheet.
Save the Excel® spreadsheet with an appropriate name for the project.

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