

S-837T

1MHz - 860MHz

FEATURES

- ❑ Wobbulator
 - VHF IF, CH1-CH12
 - Midband S1-S12
 - UHF CH21-CH69
- ❑ Display Scope (optional)
- ❑ Marker Generator
 - 171 Xtal derived Markers
 - 10MHz Xtal Comb Markers
 - External Marker Input

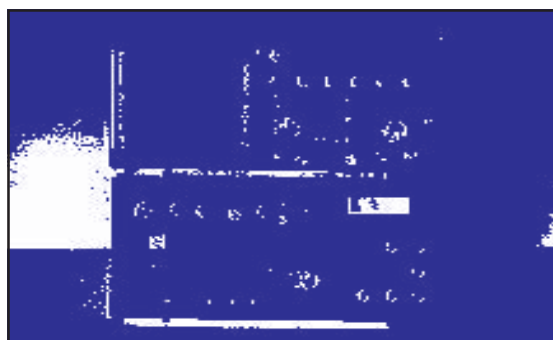
APPLICATIONS

- ❑ TV/VCR
 - Tuner-IF-Sound 5.5MHz
 - Chroma-Video
- ❑ CABLE TV
 - Modulators-Filters
 - Boosters-Mixers
 - Amplifiers- Cables

VHF-MIDBAND-UHF 171 Xtal Derived Markers

CH	Vision	Centre	Sound
IF	38.9	36.15	33.4
1	41.25	44.00	46.75
2	48.25	51.00	53.75
3	55.25	58.00	60.75
4	62.25	65.00	67.75
S1	105.25	108.00	110.75
S2	112.25	115.00	117.75
S3	119.25	122.00	124.75
S4	126.25	129.00	131.75
S5	133.25	136.00	138.75
S6	140.25	143.00	145.75
S7	147.25	150.00	152.75
S8	154.25	157.00	159.75
S9	161.25	164.00	166.75
S10	168.25	171.00	173.75
5	175.25	178.00	180.75
6	182.25	185.00	187.75
7	189.25	192.00	194.75
8	196.25	199.00	201.75
9	203.25	206.00	208.75
10	210.25	213.00	215.75
11	217.25	220.00	222.75
12	224.25	227.00	229.75
S11	231.25	234.00	236.75
S12	238.25	241.00	243.75
UHF			
21	471.25		476.75
to	to		to
69	855.25		860.75

WOBBULOSCOPE VHF - MIDBAND - UHF 171 Xtal Derived Synthesized Markers



IE-837T Wobbulator comprises of a Full Band Sweep Generator covering VHF, MIDBAND & UHF.

VHF - 13 channels are covered, TV IF and CH1 to CH12. Three synthesized pulse markers at Vision, Centre and Sound frequency of each channel.

MIDBAND - 12 Midband channels are covered, S1 to S12. Three synthesized pulse markers at Vision, Centre and Sound frequency of each channel.

VHF Full Band Sweep - 1 Band covers the 1-240MHz sweep range. 10MHz Xtal Comb Markers are available.

UHF Full Band Sweep - 1 Band covers the 450-860MHz sweep range. Variable birdy marker available over the whole range, frequency is digitally readout on 5 digit LED display.

EXT Marker - Variable Marker can be generated over the entire sweep range at the frequency of an externally connected sinewave input.

Characteristics

RF Sweep - 25MHz to 240MHz (IF+12 VHF CH+12 Midband CH) Digital readout of selected CH. VHF 1-240MHz covered in a single band. UHF 450-860MHz in a single band.

Output Level - 110db uV max into 75 ohms (<250MHz). >10mv rms for UHF

Sweep Width - 5MHz to 30MHz approx
Accuracy - Within ± 1 db at max output at CH4

Attenuation - 90 db total attenuation. 3 x 20db, 2 x 10db accurate to within ± 1 db per step. 10 x 1db accurate to within ± 0.25 db/step (<250MHz). Fixed output at UHF

Overall Flatness - ± 2 db above 30MHz
Sweep Linearity - 10%

Hor Sweep Output - Triangular wave, 50Hz approx, 8V p-p approx.

CH Selection - Front panel selection or via foot switch (VHF & Midband)

MARKER GENERATOR

VHF/MIDBAND Marker - Vision, Centre and Sound markers - Xtal derived synthesized markers accurate to ± 100 KHz as per Table at 30MHz sweep width

UHF Marker - 450-860MHz Vision and Sound markers - Xtal derived synthesized markers accurate to ± 100 KHz as per Table at 30MHz sweep width.

Xtal Comb Markers - 10MHz markers available on the 1-240MHz Single Sweep Band range

EXT Marker - 1-240MHz ext freq input dependent marker displayed as a birdy.

GENERAL

Power - 230V $\pm 10\%$, 50Hz
Accessories - Operating Manual, cables
Remarks: All accuracies specified at 25deg C ambient, 230V mains, 50Hz with instrument grounded - after warmup of 30 min. Specifications, Illustrations and price change privileges reserved.



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