



R.F. SIGNAL GENERATOR

MODEL RF-IU

The Model RF-IU SIGNAL GENERATOR has been designed to meet the demand for an accurate and reliable instrument at a very modest price.

It is equally suitable for use by the service engineer or in workshops or laboratories.



SEE REVISED PRICE

£11 . 18 . 0

Delivered free U.K.
Deferred Terms available

SPECIAL FEATURES

- ★ Pre-assembled and pre-aligned coil pack
- ★ Mains filter to minimise R.F. radiation
- ★ Double screening using copper-plated screens and chassis
- ★ Constant impedance attenuator.

SPECIFICATIONS

Frequency Range :	...	...	...	...	Band A 100 Kc/s—300 Kc/s. Band B 300 Kc/s—1 Mc/s. Band C 1 Mc/s—3.1 Mc/s. Band D 3.1 Mc/s—10 Mc/s. Band E 10 Mc/s—30 Mc/s. Band F 30 Mc/s—100 Mc/s. Calibrated Harmonics 100 Mc/s—200 Mc/s.
Accuracy	...	...	...	...	± 2%
Attenuator :	...	...	...	...	Step ... Constant impedance type, 5 steps of 20 dB per step. Fine ... Continuously variable using moulded track potentiometer.
Output :	...	...	...	...	Impedance 75 ohms. Voltage. Up to 100 mV on each band.
Modulation :	...	...	...	...	Internal ... 400 c/s approx. 30% depth. External ... Approx. 3 volts across 50 KΩ for 30% depth.
400 c/s AUDIO OUTPUT :	...	...	...	...	9 volts across 1 megohm.
Valve Complement :	...	...	...	...	12AT7 RF Oscillator. ECF80 Audio Oscillator and RF output.
Power Requirements :	...	...	...	...	200-250v, AC, 40/60 c/s 15 watts.
Cabinet Size :	...	...	...	...	9½" wide x 6½" high x 5" deep.
Finish :	...	...	...	...	Dark admiralty grey panel, ash grey wrinkle cabinet.
Shipping Weight :	...	...	...	...	7½ lbs.

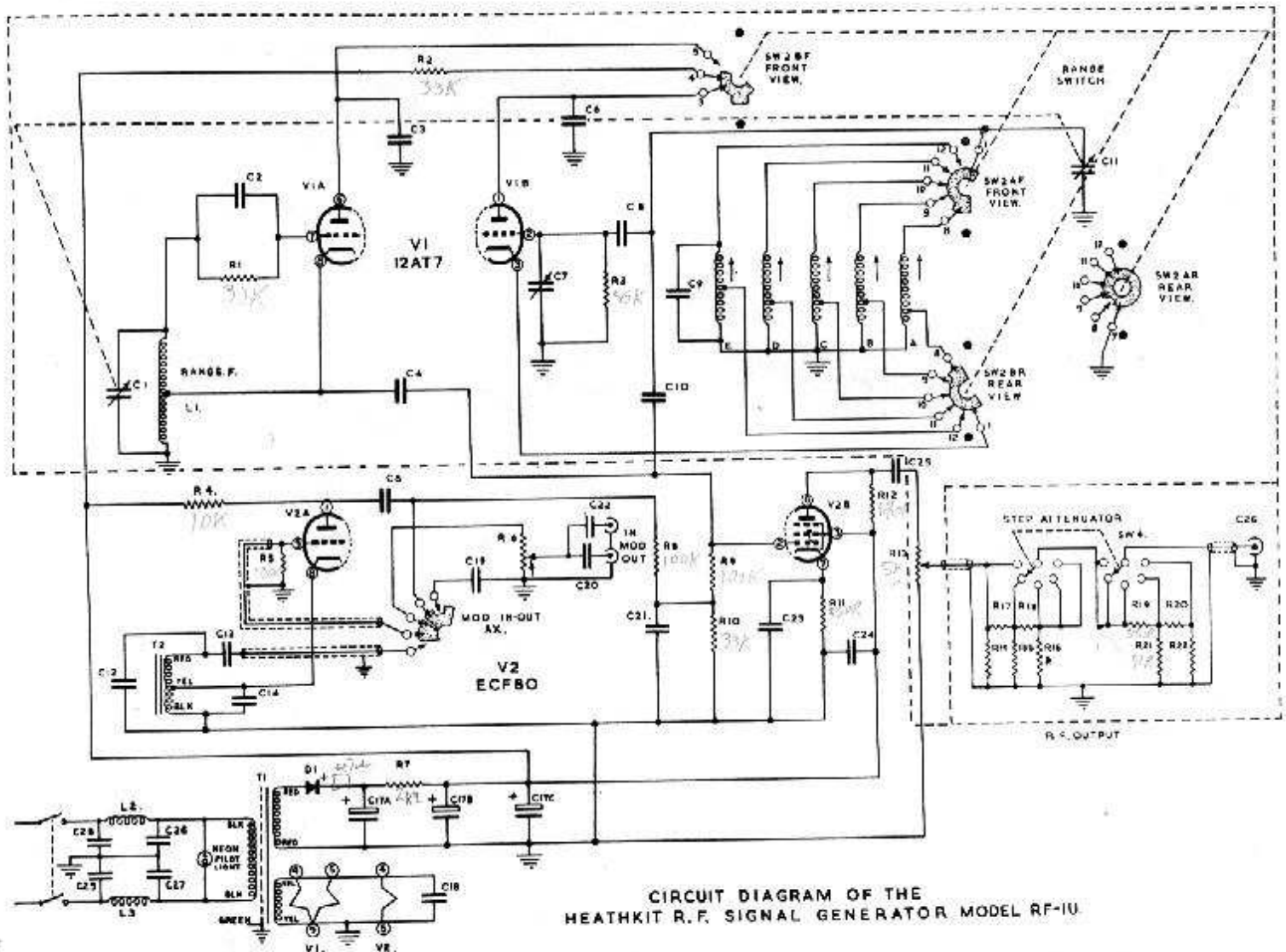
The RF-IU provides a source of very accurate and stable RF signals ideal for aligning RF and IF circuits of all kinds and for fault finding. The 400 c/s signal is available for the testing of audio circuits.

The extended frequency range of the RF-IU is covered in 6 bands from 100 Kc/s to 100 Mc/s on fundamentals and up to 200 Mc/s on calibrated harmonics of the fundamental frequencies. The frequency is indicated on six easy-to-read scales.

A built-in 400 c/s audio generator with an output exceeding 8 volts provides a convenient source of audio signal which may be used to modulate internally the RF output, or the RF portion of the generator may also be modulated externally by other frequencies through a socket mounted on the front panel.

Modulated or unmodulated RF output up to 100 mV is available. This output is controlled by a continuously variable attenuator and a constant impedance step attenuator.

Featured in the RF-IU circuit is a 12AT7 valve in a Hartley oscillator circuit to ensure stable operation over the entire frequency range. The pentode section of the ECF80 valve serves as a low distortion output amplifier while the other section of the valve is used for the internal 400 c/s oscillator.



CIRCUIT DIAGRAM OF THE HEATHKIT R.F. SIGNAL GENERATOR MODEL RF-IU

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 IN THE WORLD**