

S P E C I F I C A T I O N

FREQUENCY RANGE:

15 c/s to 200 kc/s in 4 bands.

FREQUENCY CALIBRATION ACCURACY:

Ranges A, B and C $\pm (1\% + 1 \text{ c/s})$; range D $\pm 2\%$, with logging scale and vernier.

FREQUENCY STABILITY:

Better than 0.1% at 1 kc/s after warm-up period. With mains voltage variation of $\pm 10\%$, drift is less than 0.04% at 1 kc/s.

DISTORTION:

Total harmonic and hum content compared with fundamental above 100 c/s:

- (1) better than 40 dB down (1%) with meter set at 1 mW reference level;
- (2) better than 34 dB down (2%) with meter set at +5 dB (maximum output).

There is a slight increase in distortion below 100 c/s and when the output terminals feed into a high impedance on the +20 dB position of the decade attenuator.

HUM LEVEL:

Hum and noise content is less than 0.25% of maximum output.

OUTPUT:

Calibrated in volts and watts, balanced or unbalanced.

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VOLTAGE:

20 mV to 25 V r.m.s. into 600 ohms in six ranges indicated by the calibrated meter scales and 10 dB attenuator.

POWER:

0 to 1 watt into 600 ohms, indicated with reference to 1 mW level by 1 dB and 10 dB step attenuators from -35 dB to +25 dB; plus 5 dB above reference level on the meter.

AMPLITUDE ACCURACY:

± 1 dB over complete frequency range.

OUTPUT IMPEDANCE:

- (1) 600 ohms centre tapped, balanced or unbalanced terminations with respect to earth.
- (2) 300 ohms unbalanced.

There is a rise in output impedance on the ± 20 dB position of the decade attenuator at the high frequency end of the 50-200 kc/s band.

ATTENUATOR ACCURACY (at normal "set" level):

Decade Attenuator: $\pm 1.5\%$ of attenuator reading.

Units Attenuator: $\pm 1\%$ of attenuator reading ± 0.15 dB 20 c/s to 200 kc/s.

WEIGHT:

$27\frac{1}{2}$ lb (12.5 kg).

DIMENSIONS:

$11\frac{1}{4}$ in. (28.5 cm) wide; 15 in. (37.2 cm) high; $8\frac{1}{2}$ in. (21.6 cm) deep.