Specification

FREQUENCY

Range: 10Hz to 100kHz in 4 decade ranges.
Scale: Common 320° circular scale for all ranges.

Setability: To 1 part in 10^4
Accuracy: 2% of reading ± 1HZ
Typically 1% +1HZ

OUTPUTS

1) MAIN OUTPUT
30V r.m.s., e.m.f. (15-0-15V) from balanced floating output of impedance 300-0-300 Ohms (15V r.m.s. into 600 Ω load).

Output Impedance tolerance: 5% – Balance 3%
Balanced Attenuator: 20dB and 40dB (60dB total).

Accuracy: 0.3dB and 0.5dB respectively, each half.
Fine level control, from 0 to full output (Common to Outputs 1,2 and 3).

2) LOW IMPEDANCE OUTPUT
3V r.m.s., e.m.f. from approximately 1 Ohm.
With Output 1 fully loaded, Output 2 will deliver a typically of 1 Watt into 5 Ohms.

3) LOW DISTORTION OUTPUT (at rear of instrument).
typically 2.5V r.m.s. from approximately 5k Ω.
Overall flatness 0.3 dB.

4) SQUARE WAVE, 0 to +5V, independently controlled.
Source Impedance approximately 1kΩ. Rise and Fall times better than 1 μs into less than 100pF. Mark-space ratio better than 1.1:1.

OUTPUT LEVEL METER

Scaled 0-30V r.m.s. Open Circuit for Output 1. Scale also common to Output 2.
Decibel scale, referred to +20dBm into 600 Ω
The meter accuracy is 3% of F.S.D.

DISTORTION

1) Outputs 1 &2: less than 0.1% above 100Hz rising to less than 0.5% at 10Hz.

Typically better than 0.05% from 200 Hz to 100kHz

2) Low Distortion Output: Typically better than 0.02% above 200Hz rising to 0.2% at 10Hz.

PROTECTION

All outputs rated for full load simultaneously
All outputs Short-Circuit proof. Visible indication of overload on Output Level Meter (Intermittent reading).

SUPPLY VOLTAGE

85–130V and 170–255V
40–400Hz, approximately 20VA.
Also 42–52V . DC/300mA Max.

OPERATING TEMPERATURE RANGE:

0°–50°. Full specification over range 15°–35°C

DIMENSIONS

27 x 27 x 13 cms (10.7 x 10.7 x 7.2 in.)

WEIGHT

6kg (13 lbs.)

NOTE:

All output levels are flat within 1dB over the full frequency range.

Below 30Hz the maximum output level may not be available on full lead, on outputs 1 & 2 (typically 20V available at 10Hz).