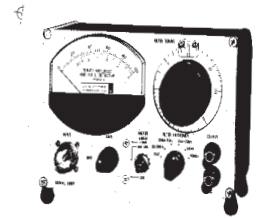


1232-A Tuned Amplifier And Null Detector

最新の注意を要する多くのブリッジ測定には1232-Aの様な感度の高いヌル検出器が重要です。バッテリー駆動なので電源ラインからのノイズはなく、持ち運びも便利です。低ノイズの固定素子回路と高ゲインなので感度が非常に高くなっています。同調機能とバンド幅の選択により測定の妨害となるブロードバンドノイズ及び高調波を除去できます。



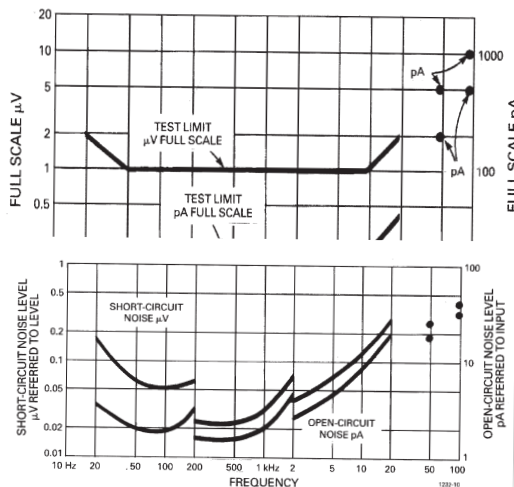
- 音声周波数でのブリッジ検出器; 1232-P2プリアンプがあるので極めて高いインピーダンスソースに対しても同様に感度が高い
- 汎用の同調可能なオーディオアンプあるいはブロードバンドアンプ
- 概算測定用高感度オーディオウェーブアナライザー
- 20 Hz to 20 kHz, 50 and 100 kHz
- 感度0.1 μ S
- バンド幅約5%
- ゲイン120dB

仕様

周波数:

Tunable filters: 20 Hz to 20 kHz in 3 ranges, between 2% and 6% bandwidth to 15 kHz. Second harmonic at least 34 dB down from peak, third harmonic at least 40 dB down, rejection filter on two highest ranges reduces 60 Hz level to at least 60 dB below peak response (50 Hz level is down >50 dB). Dial accuracy is $\pm 3\%$. Fixed-Tunable Filters: 50 kHz, 2-nd harmonic is 44 dB down; 100 kHz, 2-nd harmonic is 53 dB down. Flat Response: ± 3 dB from 20 Hz to 100 kHz.

感度: See fig. 1. Typically better than 0.1 μ S over most of the frequency range.



ノイズレベル: Referred to input: See fig. 2. Noise at 1 kHz < 2 dB at optimum source impedance of 27 k Ω . Referred to output: < 5 mV on FLAT filter-frequency position, main gain setting, and 20 dB switch position. < 50 mV in MAX SENS position.

信号入力:

Impedance: Approximately 50 k Ω at max gain; varies inversely with gain to 1 M Ω at min gain.
Max Safe Voltage: 200 Vac or 400 Vdc.

出力:

Voltage Gain: Approximately 120 dB on the tunable ranges; 100 dB, flat range; 106 dB at 50 kHz; 100 dB at 100 kHz position.

Level: 1 V into 10 k Ω when meter indication is full scale.

Internal Impedance: 3 k Ω .

Meter Linearity: dB differences are accurate to $\pm 5\% \pm 0.1\%$ division for inputs of less than 0.3 V.

Compression: (meter switched to LOG) Reduces full-scale sensitivity by 40 dB. Does not affect bottom 20% of scale.

Attenuation: (meter switched to - 20 dB). Linear response with 20 dB less gain than MAX SENS.

歪み: (filter switched in FLAT position): < 5% (due to meter rectifiers).

端子:

Input: 874 Coaxial Connector.

Output: binding posts.

Available: 1232-P2 Preamplifier to maintain sensitivity of 1232-A at low frequencies when operating from a source impedance above 100 k Ω .

特性

電源: 12 Vdc, from 9 mercury (Eveready type E4 or equivalent) cells in series. Estimated battery life 1500 hours.

Mechanical: Convertable-bench cabinet.

大きさ: 15.2 cm H x 20.3 cm W x 19.0 cm D (6" x 8" x 7.5").

重さ: 2.6 kg (5.75 lb) net, 3.7 kg (8 lb) shipping.

オーダー情報

1232-A 1232-9701 Tuned Amplifier and Null Detector

1232-AP 1232-9829 Tuned Amplifier and Null Detector with preamplifier



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