

AA 2

ACOUSTIC ANALYZER / 1/3 OCTAVE ANALYZER

McIntosh
The Compendium



FRONT PANEL: Black finish. METER AVERAGING TIME switch: FAST or SLOW. POWER: ON or OFF with LED indicator. Linear dB meter. FREQUENCY IN HZ dial: increments from 20 to 20K. METER RANGE switch: 60 dB/.001V, 70 dB, 80 dB/.01V, 90 dB, 100 dB/.1V. FUNCTION switch: FILTER OFF, 1/3 OCTAVE NOISE, 1/3 OCTAVE ANALYZER. PINK NOISE LEVEL control. INPUT. MICROPHONE INPUT. MIC CAL: 1 to 10. METER OUTPUT: 1V FSD. PINK NOISE OUTPUT: 1V MAX.

SPECIFICATIONS:

METER CIRCUIT - **Meter Range:** 20Hz to 20kHz; **Response:** +0.5Db. **Waveform Response:** Average responding calibrated in RMS volts and dB SPL. **Averaging Time:** Selectable, fast and slow (5 sec and 30 sec). **Signal Range:** SPL - 60 dB to 100dB at mid-scale, 1 mV to 100 mV volts, AC full scale. **Meter Scales:** Volts calibrated from .01 to .1; SPL calibrated from -20dB to + 20dB. **Crest Factor:** greater than 4 at full scale. **Input Impedance:** 50k ohms and less than 50pf.

ONE THIRD OCTAVE FILTER - **Frequency Range:** 20Hz to 20kHz in 31 ranges with ISO recommended band frequencies (20, 25, 31.5, 40, 50, 63, 80, 100, 125, 160, 200 and multiples of 10 thereof). **Selectivity:** 1/3 octave bandwidth (29% wide). Two filter sections are used each having a 2 pole Butterworth filter characteristic. At .58 and 1.8 times the center frequency, each section is down 15dB (30dB for both sections).

PINK NOISE GENERATOR - **Frequency Range:** 20 to 20kHz with output in each 1/3 octave bandwidth within +/- 1dB. **Output Level:** 0 to 1 volt RMS into 10k ohms or higher. Output is peak limited for all settings of the level control. **Output Source Impedance:** less than 1k ohms. **Crest Factor:** about 4. **Source:** digital logic pseudo random noise generator. **Power Requirements:** 120 volts, 50-60Hz, 6 watts.

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CALIBRATED CM201 CONDENSER MICROPHONE - **Response:** 20 to 20,000Hz. **Sensitivity:** 65dB re 1 volt per microbar at 1kHz nominal. **Noise Equivalent:** 44dB SPL unweighted. **Cartridge Diameter:** 0.46" (13mm). **Cable:** two conductor shielded. **Length:** 10 meters (32.8 feet). **Stand Adapter:** with 5/8-27 thread.

AA 2 Generates 1/3 octave bands of pink noise and analyzes input in switchable 1/3 octave bands from 20Hz to 20kHz. Linear dB scale. Slow-fast averaging. Can also be used as wide band pink noise source and voltmeter.



AA 2 – Sold from June 1977 – October 1986. S/N: BU1001~BU2100 (1,099 UNITS)
Size: 11-3/4"H, 8-3/4"W and 9-1/2"D. **Weight:** 14 lb. **\$1,500.00**