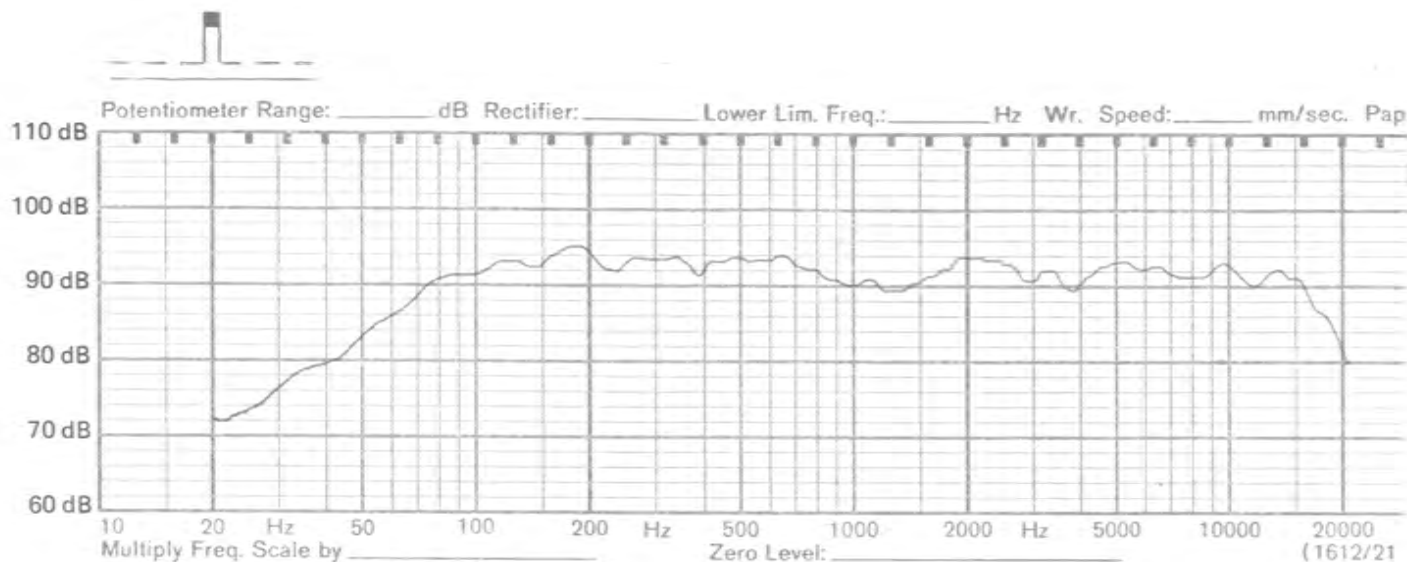


MDM-4

MIX DOWN MONITOR



Potentiometer range: 50 dB
 Rectifier: RMS
 Lower Limit Frequency: 20 Hz
 Writing Speed: 25 mm/Sec
 Paper Speed: 10 mm/Sec
 Microphone Position: .5 METER ON AXIS
 Input Voltage: 2V RMS @ 1 KHz

Model Number MDM-4
 Serial Number 47610193
 Reference Level 0dB = .0002 DYNES CM²
 Environment FREE FIELD
 Condition 4 π STERADIANS
 Date 10-23-76
 Signature EML

This MDM-4 MIX-DOWN-MONITOR has been carefully built and tested. It has been subjected to over 20 special procedures and tests to insure uniformity. The frequency response that accompanies this particular MDM-4 has been individually run and is the actual frequency response of this particular serial number unit. If for any reason this unit must be returned, it must be accompanied by this booklet and frequency response curve.

The MDM-4 has been designed for accurate, smooth response when operated in the 4π steradian mode, away from walls, ceiling and floors. The MDM-4 should be placed as close as practical to the listening position. This will reduce the effects of the room upon the acoustic response and result in the best reproduction of the original sound. The MDM-4 was designed to operate at relatively low levels without "fade out" especially in the bass register. This allows extended listening without the temporary threshold shift that occurs when monitoring at higher levels. The MDM-4 may be stacked and operated in parallel for 6 dB more acoustic output. The MDM-4 should be positioned with the longest dimension in the horizontal plane for the broadest, most symmetrical dispersion. If the MDM-4 is located at or below the listening height, the input plate on the back should be on the top. If the MDM-4 is located up higher, the input plate should be toward the bottom. When stacking two MDM-4s, the input plates should be near each other.

WARRANTY

This product is warranted to be free from defects in material and workmanship for a period of one year after delivery to the original purchaser, provided the registration card supplied with the product is completed and returned to the manufacturer within fifteen days of the purchase. Our obligation under this warranty is limited to repairing or replacing any component which our examination shall disclose to be defective in material or workmanship under normal conditions of use. This warranty shall not apply to products which have been abused, modified, disassembled or repaired by others than the manufacturer. Products to be covered by this warranty must be returned to the factory service department or to our designated service center with all transportation and insurance charges prepaid. This warranty is in lieu of all other warranties, expressed or implied, and of all other obligations or liabilities on our part, and we neither assume, nor authorize any other person to assume for us, any other liability in connection with the sale, repair or return of any product.

PERFORMANCE SPECIFICATIONS:**FREQUENCY RESPONSE**

±3 dB 60 Hz to 17 kHz (4 π steradians, free field)

±5 dB 50 Hz to 20 kHz (4 π steradians, free field)

POWER REQUIREMENTS

10 watts for 97 dB per 1000 cubic feet of room volume

1 watt for 89 dB SPL @ 1 meter (free field)

POWER HANDLING

40 watts continuous, 100 watts instantaneous below 1 kHz

15 watts continuous, 40 watts instantaneous above 1 kHz

DEMAGNETIZATION LEVEL

315 watt low frequency pulse will result in a permanent 1 dB output reduction in the piston band of the bass drivers

SENSITIVITY

80 dB SPL/volt/meter

DISTORTION

Less than 5% THD or I.M., 50 Hz to 20 kHz

Typically less than 1% 100 Hz to 20 kHz

94 dB SPL at 1 meter

IMPEDANCE

8 ohms nominal, 6 ohms minimum

DESIGN SPECIFICATIONS:**SYSTEM TYPE**

Dual woofer, 2-way sealed system

DRIVERS

Two 16 cm (6¼") Low Frequency

One 9 cm (3½") Mid-high Frequency

CROSSOVER

Equalizer Filter type at 1500 Hz

ENCLOSURE VOLUME

27 Liters (.95 cubic feet)

ENCLOSURE DIMENSIONS

48 cm x 33 cm x 24.8 cm

19" x 13" x 9 3/4"

ENCLOSURE FINISH

Rosewood, Vinyl or Laminate

GRILLE

Reticulated poly-urethane

SYSTEM WEIGHT

9.5 kgm. net, 10.4 kgm. shipping

21 lb. net, 23 lb. shipping

E. M. LONG ASSOCIATES

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Oakland, California 94602