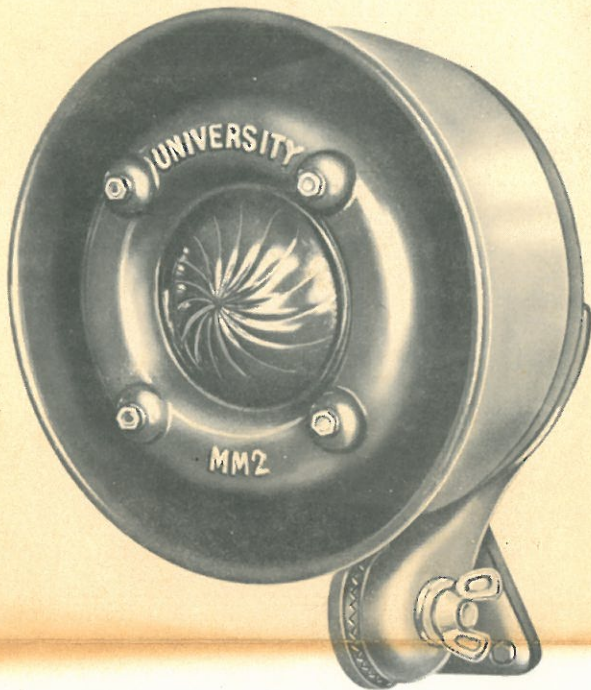


## Specifications and Instructions



# Model MM-2 Bracket Mounting Submergence Proof Speaker

### SPECIFICATIONS

Power Capacity:	25 Watts
Frequency Response:	350-10,000 Hz
Impedance:	16 Ohms
Dispersion:	150°
Sound Pressure Level* :	117dB
Dimensions:	Outside diameter 6" Depth 5"
Weight:	5¼ lbs.

\*Sound pressure level readings taken on axis at 4 ft. with full range input at rated power, 750-1,250 Hz range. Reduce by 6dB each time distance is doubled, reduce by 3dB each time power is halved.

### DESCRIPTION

The University Sound Model MM-2 is a submergence-proof speaker designed for bracket mounting in such locations as on walls, ceilings, bulkheads, vehicle roofs, etc. This speaker is equipped with a serrated swivel mounting bracket which allows it to be swiveled through an angle of 90° vertically. The MM-2 is fully protected against damage by high humidity, salt water and many other environmental conditions, by the use of watertight gaskets in its construction and an electroplated (aluminum anodized) mechanical structure. Further corrosion protection is assured by finishing the speaker in a tough baked-on acrylic paint. For applications where immunity to salt spray, gases, live steam and especially harmful dusts or fungus is a necessity, the MM-2 will give reliable, uninterrupted service with little or no maintenance. Designed to

U. S. Navy "submergence" specifications, the self-draining MM-2 is ideal for such applications as docks, bridges, boiler rooms, railroads and all types of boats and ships. When operated in dust and dirt laden atmospheres, the fungicide treated, plastic impregnated, linen-base molded diaphragm is easily accessible for cleaning by removing the front reflector which is secured by 4 screws. The 2" voice-coil, "W" shaped Alnico V magnet, tailored frequency response and 25 Watt power rating assures sharp, clear penetrating sound even under high noise level conditions. The heavy durable aluminum case gives maximum strength and resistance to damage by mechanical stresses. For the ultimate in quality and reliability combined with resistance to all types of abuse, the MM-2 is the ideal choice.

### Architects and Engineers Specifications

Speaker shall be University Sound Model MM-2. Type shall be submergence-proof and designed for bracket mounting on walls, ceilings, bulkheads, etc. Bell shall be self draining and reflector shall be removable by means of 4 bolts for access to diaphragm for cleaning. Outer housing shall be spun aluminum and center assembly shall be die-cast aluminum. All metal parts of speaker shall be electroplated (aluminum anodized) and finished in a baked-on acrylic type paint for maximum corrosion protection. Construction shall utilize cork and rubber gaskets at all critical seams to maintain speaker's watertight integrity. Diaphragm shall be molded, plastic-impregnated, linen-base material tropical-

ized for resistance to high humidity and fungus. Voice-coil shall be 2" in diameter working in conjunction with a "W" shaped Alnico V magnetic structure. Speaker shall have a power handling capacity of 25 watts and frequency response of 350-10,000 Hz. Impedance of voice-coil shall be 16 ohms. Dispersion shall be 150° and sound pressure level 117dB. Sound pressure readings taken on axis at 4 ft. with full range power input, 750-1,250 Hz range. A serrated swivel mounting bracket designed so that speaker may be moved through an angle of at least 90° shall be provided. Dimensions shall be 6" over-all diameter and 5" depth. Color finish shall be gun-metal gray. Weight shall be 5¼ lbs. University Sound Model MM-2 is specified.

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