



UNIVERSITY SOUND

Specifications and Instructions



The UNIVERSITY SOUND Model MIL-T is a compact, high efficiency reflex horn type paging speaker specially designed for paging/talk back applications in low power level applications. It comes equipped with built-in line matching transformer for use on 70.7 and 25 volt "constant voltage" lines, utilizing a new fool-proof "push-clip" method of power selection to greatly simplify installation. The new "Gyrobase" mount permits simple, comfortable, "one-hand" adjustment of the speaker over a 105° vertical and 360° horizontal range. The built-in 10 watt driver features a tropicalized Teflon base voice-coil/muslin base molded phenolic diaphragm assembly for maximum reliability. The MIL-T is ruggedly constructed and will stand years of use under the most trying conditions. The spun aluminum horn and baked-on acrylic finish allow the MIL-T to be used indoors and outdoors. An additional feature is its use as a highly sensitive microphone for talk-back

Model MIL-T Paging Talk-Back Speaker

SPECIFICATIONS

Frequency Response:	350-13,000 Hz
Power Handling Capacity:	10 watts
Wattage Taps:	10/7.5/5/2.5/1.25/.65 watts, 70.7 or 25 volt line
Impedance Taps:	500/667/1000/2000/4000/ 8000 ohms
Dispersion:	120°
Sound Pressure Level:	119 db re 200 microdynes/cm ² (4' on axis at rated power input)
Sensitivity as Microphone:	-23 DBM (re 10 dynes/cm ²)
Dimensions:	7 13/16" dia. x 10" d.
Shipping Weight:	4 lbs.

- High Efficiency Reflex Design
- 120° Dispersion
- Built-in Line Matching Transformer
- New "Push-Clip" Power Selection
- Weatherproof Construction
- Baked-on Acrylic Finish
- Spun Aluminum Bell
- Rubber Resonance Damping Ring
- Built-in 10 Watt Driver
- New One-Hand Adjustable "Gyrobase" Mount

applications. The 120° angle of dispersion makes this speaker ideal for "fill-in" applications in large sound systems and as the main speaker in low power systems. The MIL-T is electro-acoustically engineered for high audibility in the frequency band most critical for articulate paging.

Architects and Engineers Specifications

Speaker shall be UNIVERSITY SOUND Model MIL-T or equivalent. Loudspeaker shall be of reentrant horn type equipped with built-in driver and line matching transformer. Frequency response shall be 350-13,000 Hz and dispersion shall be 120°. Horn assembly shall be constructed of spun aluminum and shall be baked-on acrylic paint. Speaker shall be equipped with "Gyrobase" mounting bracket, adjustable over a range of 105° vertical and 360° horizontal. Sound pressure level taken at 4 ft. on axis with rated power input, 750-1250 Hz range, shall average 119 db, reference .0002 dynes/cm². Sensitivity as microphone shall be -23 DBM, reference 10 dynes/cm².

Magnetic structure shall be Alnico V, weighing at least 4 oz. Voice coil shall be .75 inches in diameter. Voice coil shall be Teflon base. Diaphragm assembly shall be made of muslin base molded phenolic material. Power handling capacity shall be 10 watts. The built-in line transformer shall be protected by a weatherproof aluminum cover and shall have wattage taps of 10/7.5/5/2.5/1.25/.65 watts and impedance taps of 500/667/1000/2000/4000/8000 ohms from a 70.7 or 25 volt line. Impedance selection shall be made by positive action push-clip connectors. Dimensions of horn shall not exceed 7 13/16" dia., and 10" deep. Shipping weight shall be 4 lbs. UNIVERSITY SOUND Model MIL-T is specified.

Important: Transformer connected at factory for 5 watt output (70.7 volt line)

Installation Instructions

To select wattage or impedance: (1) remove the metal cover, which protects the transformer, by removing the center screw. (2) slide the push clip of the black lead wire from the driver unit over the common terminal of the transformer on the side with three terminals. (3) Connect the white lead wire from the driver unit to the 70.7 or the 25 volt tap on the transformer, depending on which system you are using. (4) Connect the black lead from the terminal board to the common terminal on the transformer on the wattage tap

side. (5) Connect the white lead from the terminal board to the terminal on the transformer that corresponds with the wattage (or ohms) that you desire. (6) Slip the cover back on and tighten it in place with the single screw. The speaker is now ready to be connected to the "constant voltage" line. For phasing purposes, the terminal marked L1 is common. For any further information concerning these speakers, please contact the Customer Service Department, UNIVERSITY SOUND, 9500 West Reno, Oklahoma City, Okla.



Western Canada: Chas. W. Thompson Ltd.
1121 West 15th Street
North Vancouver, B.C.

Export: Roburn Agencies
349 West 14th St.
New York, N.Y. 10014
Cable Address: ROBURNAGE

Canada: John R. Tilton Ltd.
51 McCormack St.
Toronto, Ontario

WARRANTY University Sound guarantees all products to be free from defective material and workmanship for the following period from the date of resale by an authorized University Sound distributor:

- A. Electronic Products Two (2) Years
- B. Speakers & Microphones Five (5) Years
- C. Underwater Products One (1) Year

University Sound will replace defective parts and repair malfunctioning products under this warranty when the defect occurs

under normal installation and use, provided the unit is returned to our factory via prepaid transportation. (Parcel post is not suggested.) This warranty provides that examination of the returned product must disclose, in our judgment, a manufacturing defect. This warranty does not extend to any product which has been subject to misuse, neglect, accident, improper installation, or where the serial number has been removed or defaced and is given in lieu of any other warranty implied or expressed and will not cover any consequential damages.

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