

Pressure Microphone MI-12010

Features

- Light weight—small size—fits palm of hand.
- Modern streamlined appearance.
- Excellent for close talking application.
- May be operated as far as 1000 feet from amplifier.
- May be used outdoors—minimum response from wind.
- Unaffected by temperature, humidity, or changes in air pressure.
- New Alnico 5 magnet—assures longer life.

Uses

This microphone has excellent response for close talking announce purposes. Because of its light weight and small size, it is ideal for remote pickup and mobile use. It performs exceptionally well for paging operations into areas of high noise level because of its rising high frequency characteristic. Another application for which this unit is especially suited, is for use of an individual soloist, where a second microphone, usually a velocity type, is used to pick up the musical accompaniment. Either a floor stand or a desk stand may be used as a mounting or it may be fitted with a handle for hand use in sports announce work.

Description

The MI-12010 Pressure microphone is ruggedly constructed for hard usage. It is relatively insensitive to mechanical shock and wind disturbances and will withstand moisture or rain for short periods. The attractively styled case is composed of two sections, the front cap with screen and the rear section, assembled by two retaining screws (top and bottom). A $\frac{1}{8}$ " female pipe thread is provided for mounting. The MI-6229 adaptor is available for mounting microphone on stands having $\frac{5}{8}$ "—27 fixture thread. Adaptor MI-12051 is recommended for stands having $\frac{1}{2}$ " pipe thread. This microphone may be used with any amplifier designed to operate from a 250 ohm unbalanced source and having a gain of 100 db or over.



Specifications

Type	Pressure operated
Directional Characteristics	Non-directional
Output Impedance	250 ohms
Effective Output Level	-58 dbm* @ 1000 cycles/sec.
Hum Pickup Level	-96 db**
Frequency Range	200-7500 cycles/sec.
Mounting	$\frac{1}{8}$ " female pipe thread
Dimensions, overall	3" high, 2 $\frac{5}{8}$ " wide, 3 $\frac{3}{8}$ " deep
Finish	Two-tone umber gray
Weight (unpacked)	2 $\frac{1}{4}$ lbs.
Weight (packed)	4 lbs.
Cable	7'-2 conductor shielded (one wire grounds to shield)
Stock Identification	MI-12010

Architects' and Engineers' Specifications

Microphone shall be of the pressure operated, moving conductor type with Alnico metal magnet. Impedance shall be 250 ohm and the average output level shall be -58 dbm with a sound pressure of 10 dynes/cm². Frequency range shall extend from 200 to 7500 cycles per second. Dimensions shall not exceed 3" in height, 2 $\frac{5}{8}$ " in width or 3 $\frac{3}{8}$ " in depth. Net weight shall not be over 2 $\frac{1}{2}$ lbs.

* Sound pressure 10 dynes/cm².

** Hum field 1×10^{-3} gauss.