

Pressure Microphone Type 88-A

Features

- Good frequency response.
- Light weight.
- Small size.
- Rugged construction.
- Low cost.
- Minimum effects from wind and moisture.
- High output providing unusually good signal-to-noise ratio.
- Adaptable for use with any stand or may be carried in the hand for street interview programs.
- Output cord protected by spring.

Uses

The Type 88-A is the ideal microphone for general remote pickup use. It has been specially designed to provide small size, light weight, good frequency response and relative freedom from the effects of wind and moisture. In spite of its light weight and small size, it is extremely rugged and well-suited to stand the hard usage to which a remote microphone is put. The characteristics of the 88-A also make it adaptable for many types of studio use where a non-directional microphone is desired.

Description

The Type 88-A Microphone is of the pressure-actuated type. The moving system consists of a thin molded diaphragm to which an annular coil assembly is attached. Coupled to the diaphragm is an acoustic circuit so proportioned that the diaphragm velocity will remain essentially constant for a constant sound pressure over the frequency range of 60-10,000 cycles. The coil is placed in the air gap of a magnetic structure and the ends connected to a transformer which provides output impedances of 50 or 250 ohms.

This microphone is styled and finished in umber gray and satin chrome to present a very pleasing appearance. A ball and socket joint with a thumbscrew clamp permits operation in either a vertical or horizontal position.

Specifications

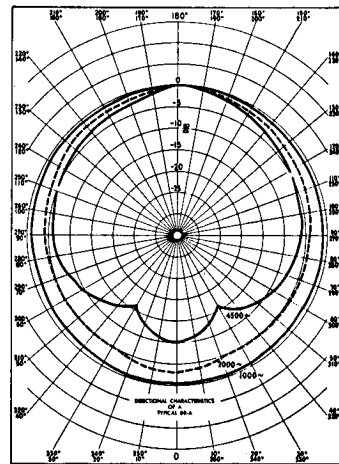
Directional Characteristics _____ Non-directional
 Output Impedances (tapped transformer) _____ 50/250 ohms
 Effective Output Level _____ -56 dbm*
 Hum Pickup Level _____ -109 dbm**
 Frequency Response (see curves) _____ 60-10,000 cycles
 Finish _____ UMBER gray and satin chrome
 Mounting _____ 1/2" pipe thread

Dimensions, overall

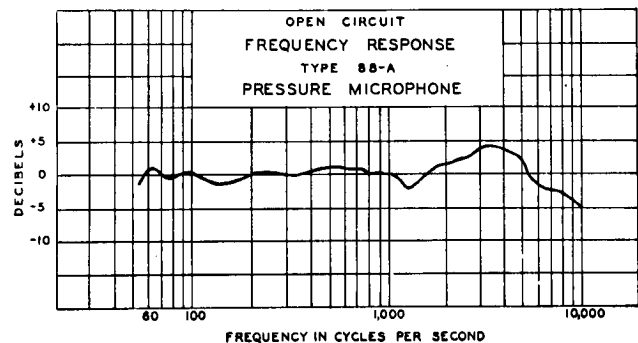
Height (including mounting) _____ 4 1/2"
 Diameter _____ 2 1/8"
 Length _____ 3 3/8"
 Weight (unpacked) _____ 1 lb.
 Cable (MI-43 three conductor shielded) _____ 30' less plug
 Stock Identification _____ MI-4048-D

* Referred to one milliwatt and a sound pressure of 10 dynes/cm².

** Level referred to a hum field of 1×10^{-3} gauss.



Directional characteristic of a typical 88-A Pressure Microphone



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