

beyerdynamic

M 88 N (C)

M 88 N / M 88 N (6) / M 88 N (T)

ENGINEERING DATA

- True Hypercardioid Characteristic
- Built-in "Hum Buck" Filter
- Extended Frequency Response
- Highly Sensitive
- "Standard" Setting Specification Consistency i.e., any two "random choice" microphones are acceptable as a stereo matched pair
- Available with Cannon or DIN Connector

Unidirectional Dynamic Microphone



DESCRIPTION AND APPLICATIONS

The BEYER DYNAMIC M 88 is a professional dynamic moving coil microphone with wide response and high output, with a supercardioid characteristic bordering on the theoretically impossible. This, combined with "standard" setting transient response and front to back ratio reduces feedback problems in commercial sound applications to an absolute minimum. In broadcasting and recording studio use, the microphone's low end capability and extended frequency response of 30 to 20,000 Hz guarantees complete ability to reproduce natural sound. The moving coil transducer of the M 88 is supported in a special suspension which eliminates noise usually transmitted from a microphone body. Unlike ordinary microphones, the M 88 does not need any venting on its shaft to achieve its outstanding hypercardioid characteristics. Thus, it can be hand held with absolutely no danger of altering the directional characteristics. A built-in "hum buck" coil reduces influence from magnetic fields under all conditions by as much as 20 db.

The M 88 has achieved great popularity in professional sound reinforcement and is being used with excellent results as a conference microphone in buildings such as banks and industrial complexes where a high reverberation field has to be contended with. The microphone's exceptional studio qualities are successfully put to the test in such demanding applications as a vocalist microphone for jingles, concert and all voice style productions.

The design and features of the M 88 make it ideal for both indoor and outdoor recording. It will completely withstand the rigors of professional use and is completely unaffected by humidity and extreme temperatures.

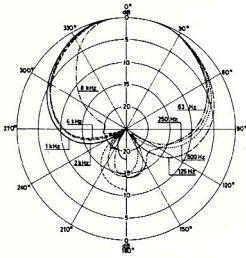
BEYER DYNAMIC, INC.

5-05 Burns Avenue, Hicksville, New York 11801

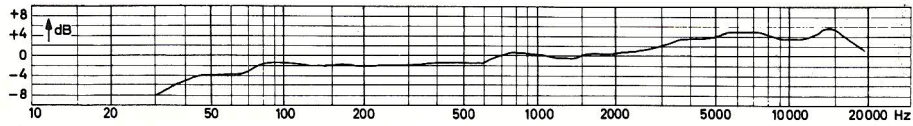
Telephone (516) 935-8000

Form BA 6

POLAR PATTERN:



FREQUENCY RESPONSE CURVE (± 2.5 db):



This polar pattern and frequency response curve correspond to typical machine run specifications from a standard M 88.

SPECIFICATIONS

Operating Principle:	Pressure Gradient
Frequency Response:	30 to 20,000 Hz
Polar Pattern:	Hypercardioid
Side attenuation at 120°:	> 23 db
Output Level at 1 kHz:	
Open Circuit Voltage	2.5 mV/Pa
(0 dbm \triangleq 1mW/Pa)	\triangleq -51 dbm
EIA Sensitivity Rating	-144 dbm
Hum Sensitivity	4 μ V/5 μ Tesla (50 Hz)
Electrical Impedance:	200 ohms
Load Impedance:	> 1000 ohms
Diaphragm:	Hostaphan
Case:	Brass
Case Finish:	Matt black non-reflecting chromium-plated
Net Weight (less cable):	10.75 ounces (305 grams)
Built-in male connector:	Switchcraft M 3 M or equivalent
(M 88 N (C))	

OPTIONAL ACCESSORIES

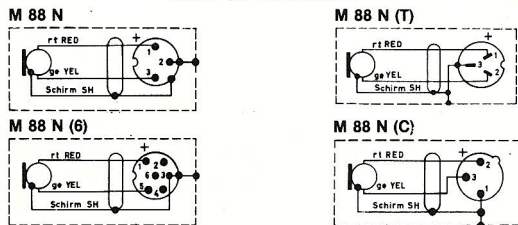
Cable*	type MVK N (C), 16'6", two conductor shielded, broadcast type, synthetic rubber-jacketed, with Switchcraft A 3 F female connector or equivalent on the microphone end, leads white (inphase) and blue or type MVK N, same specification but with a female DIN connector on the microphone end. For further cable sets please inquire.
Clamp**	MKV 25 or quick release clamp MKV 6
Windscreen	WS 69, lightweight foam material, available at your choice in gray, red, blue, green and yellow color.
Gooseneck	for M 88 N (C): SH 15/400 N (C), for M 88 N models: SH 15/250 N or SH 15/400 N, base plate ZSH 30
Table Stand	ST 300 with MKV 25
Floor stands	Lightweight ST 230, incl. boom arm, ST 201/1, ST 201 A/1, ST 205 A/1 + boom arm Sch 211
Cable transformers for connection to high impedance inputs	TR/BV 345 015 006/C-K/5 (with Switchcraft A 3 F connector or equivalent, length of cable 16'6") TR/BV 341 015 006 C-C (matching transformer mounted in Switchcraft audio connector S 3 FM or equivalent) TR/BV 347 015 006 N-H (for DIN sockets) TR/BV 347 015 006 N-K (for input sockets for jack plugs) TR/BV 347 020 007 N-Ci (for Cinch sockets)

*supplied complete with cable in the USA
**MKV 25 furnished accessory with M 88 N (C).

FURNISHED ACCESSORY

Carrying Case black deluxe leatherette presentation case

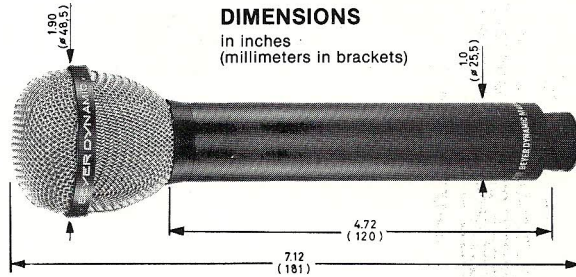
WIRING DIAGRAM



Positive pressure produces voltage on red cable lead.

DIMENSIONS

in inches
(millimeters in brackets)



ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The microphone shall be a moving coil (dynamic) type microphone with a frequency range of 30 to 20,000 Hz. The unit shall have a true hypercardioid polar characteristic. The attenuation at 120° shall be better than 23 db. The microphone output shall be -51 dbm when 0 dbm \triangleq 1mW/Pa respectively 2.5 mV/Pa. EIA sensitivity rating at 1,000 Hz shall be -44 dbm. The microphone shall have a built-in "hum buck" coil to reduce magnetic hum susceptibility by as much as 20 db. Electrical impedance shall be 200 ohms. The case shall be made of brass. Case finish shall be non-reflecting matt black chromium-plated (M 88 N (C)); also a version with matt chromium-plated finish shall be available (M 88 N models).

The overall dimensions shall be: 7.12" (181 mm) in length and 1.90" (48.5 mm) (head) x 1" (25.5 mm) (shaft) in diameter.

The microphone shall be available with the following connector versions: Switchcraft connector M 3 M or equivalent (M 88 N (C)) or 3-pin Tuchel connector T 3262 or equivalent (M 88 N) or T 3007 special connector or equivalent (M 88 N (T)) or 6-pin Tuchel connector T 3402 (M 88 N (6)).

The BEYER DYNAMIC model M 88 is specified.