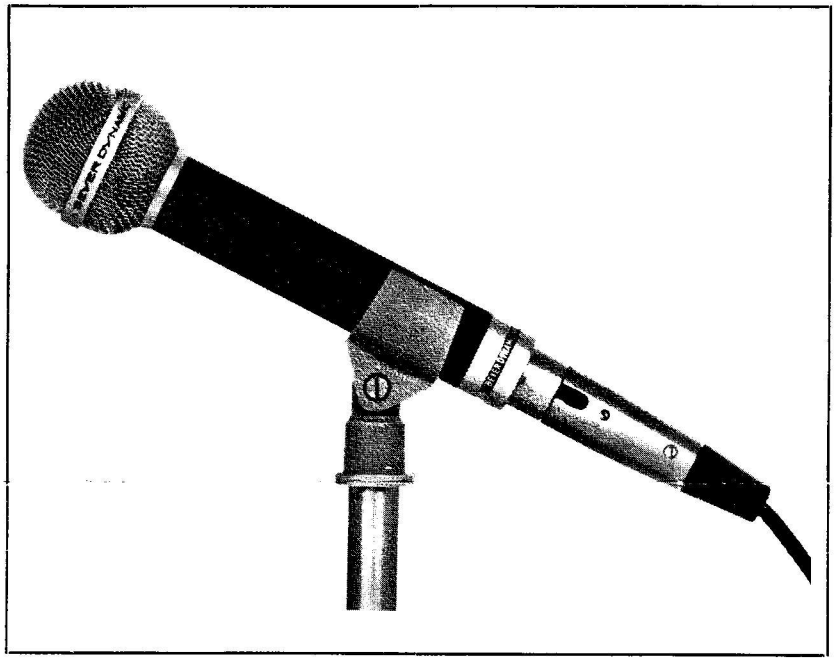
BEYER DYNAMIC

M 260 N (C)

ENGINEERING DATA

Dynamic unidirectional microphone

- Unique ribbon microphone
- True hypercardioid characteristics
- Robust all-metal construction
- 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



DESCRIPTION AND APPLICATIONS

The BEYERDYNAMIC M 260 N (C) is the world's most popular ribbon microphone and represents a major technological breakthrough. Incorporating an unique high energy transducer which has a flat frequency response of 50—18.000 Hz, the performance of the M 260 N (C) is approached only by professional microphones costing very much more. Due to a transducer length of only 0.85" and a mass of only 0.00034 of a gramme, the resultant complete absence of non-linear distortion results in a startling clarity and transparency of the sound picture. The cardioid characteristic of this microphone is such that unwanted sound is heavily dampened reaching a maximum of 20 db at 120° (normally cardioids provide greatest rejection at 180°). The microphone produces superior suppression of „off mike" musicians and vocalists in stereo and multi miked situations.

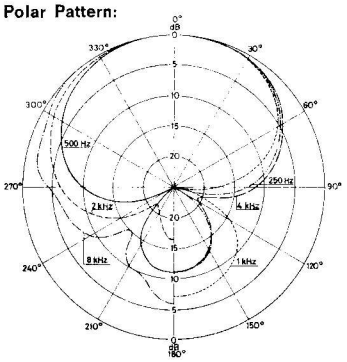
Unlike „ordinary" microphones, the M 260 N (C) does not need any venting on its shaft to achieve its outstanding hypercardioid characteristics.

Specified by the world's leading acoustic consultants, the M 260 N (C) is also available with a voice/off/music switch affording a bass cut of 12 db at 50 Hz thus allowing close talking without booming or bass accentuation (M 260 SM-C). The M 260 N (C) withstands the rigours of professional use and is completely unaffected by humidity and extreme temperatures.

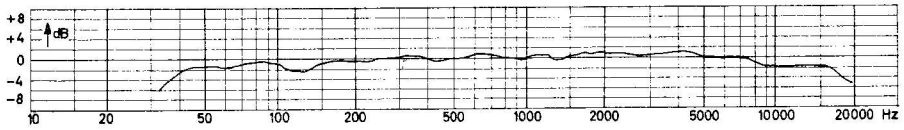
EUGEN BEYER

ELEKTROTECHNISCHE FABRIK · 71 HEILBRONN · THERESIENSTR. 8 · POSTF. 170 · TEL. (07131) 82348 · FERNSCHR. 0728771

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 260.

SPECIFICATIONS

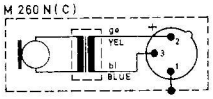
Acoustical mode of operation	Pressure gradient
Frequency range	50—18.000 Hz
Polar pattern	Hypercardioid
Side attenuation at 120°	20 db
Output level at 1 kHz (0 dbm ≙ 1 mW/10 dynes/cm²)	— 60 dbm
EIA sensitivity rating	—153 dbm
Impedance	200 ohms
Rated Load	> 1000 ohms
Diaphragm (Ribbon)	Pure aluminum
Case material	Steel
Finish	Shaft gray varnished top mesh chromium-plated
Net weight	8.47 oz. (240 grams)
Built-in connector	Switchcraft M 3 M

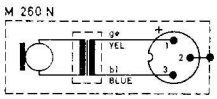
ACCESSORIES

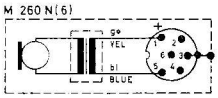
Cable*	MVK N (C), 15.5' two conductor shielded broadcast type synthetic rubber jacketed with Switchcraft A 3 F connector, free ends on other side. Leads white (inphase) and blue
Clamp*	MKV 24.3, black (quick disconnect) with $^5/_8$", 27 thread
Windscreen	WS 260, light weight foam material. Available in gray, red, blue, green and yellow.
Goose neck	SH 15/400 N (C) + ZSH 30 (base plate with thread)
Table stand	ST 300/24.3
Floor stands	light weight ST 230 incl. boom arm ST 201/1, ST 201 A/1, ST 205 A/1 + boom arm Sch 211
Cable transformer for connection to high impedance inputs	KTR 47 M / BV 40132, with Switchcraft A 3 F connector and 2-pole jack plug, length of cable: 15.5'; or STR 145/BV 40135, matching transformer mounted in Switchcraft audio connector S 3 FM

* IN THE U. S. FURNISHED TOGETHER WITH THE PROTECTIVE CARRYING CASE

WIRING DIAGRAM



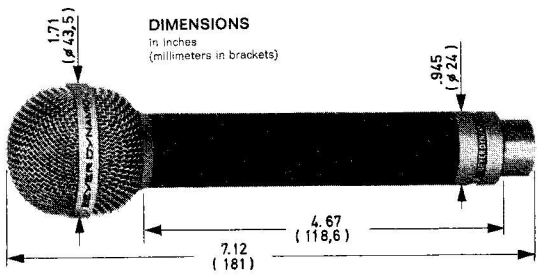




positive pressure on generating element causes positive voltage on yellow cable lead ref. to blue cable lead. (+)

DIMENSIONS

in inches
(millimeters in brackets)



ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The microphone shall be a ribbon type with response 50—18.000Hz. This unit shall have a true hypercardioid polar characteristics. The attenuation at 120° shall be 20 db.
The microphone shall have a 200-ohm low impedance balanced output, with an output level at 1000 Hz of — 60 dbm and EIA sensitivity rating of — 153 dbm. The microphone shall weigh 8.47 ounces, and have a length of 6.77", a head diameter of 1,71" and a shaft diameter of 0.95". The top mesh shall be chromium-plated, the steel shaft shall be gray varnished. A special version with matt black chromium-plated finish shall be available, also a version with built-in VOICE-OFF-MUSIC-switch.
The microphone shall be available with Switchcraft connector M 3 M (M 260 N (C)) or three-pin Tuchel connector T 3262 (M 260 N) or T 3007 spec (M 260 N (T)) or six-pin Tuchel connector T 3402 (M 260 N (6)).
The BEYERDYNAMIC Model M 260 is specified.

distributed by:

BEYER DYNAMIC

WEP/E/M 260 (5 - 3.74 - 1000) Hoh.

**PUBLISHED BY EUGEN BEYER ELEKTROTECHNISCHE FABRIK
D 71 HEILBRONN THERESIENSTR. 8
PRINTED IN W.-GERMANY**