

Fostex

M505/M505BL

PROFESSIONAL VOCAL MICROPHONES

MOVING COIL DYNAMIC DESIGN

CARDIOID(UNI-DIRECTIONAL)PATTERN

50-15,000 Hz FREQUENCY RANGE

-56 dB (0 dB = 1V/Pa, 1,000 Hz) SENSITIVITY

BALANCED 250 OHM IMPEDANCE

THREE LEVEL WIND/MOISTURE SCREEN

CANNON XLR-3 CONNECTOR



The M505 moving coil dynamic microphone is manufactured in the FOSTEX tradition of over-construction and over-design — the quality and reputation which has made FOSTEX printed ribbon microphones famous for their sound and durability.

The M505 is a cost effective alternative to the M55RP, its printed ribbon "big brother." It offers smooth response to reduce feedback caused by ragged and peaky frequency response, yet has that mid-range presence rise to "cut through" when needed. The tightly controlled cardioid pattern helps to further reduce feedback and increase acoustic gain.

The M505 has a mellow, full-bodied sound which has been carefully engineered into the microphone through controlled use of the proximity effect. The smooth, extend high frequency response is a direct result of the ultra-low mass diaphragm and aluminium coil assembly. The complementing characteristics of the M505 will enhance the performances and the sound of any performer.

Stage vocal microphones have their own unique problems. After many hours of use, moisture build-up on the diaphragm surface can alter the sound of any microphone. The M505, however, features a 3-stage wind screen to reduce breath noise (and breath moisture), utilising a special water repellent screen.

On stage, vocal microphones are handled a lot, and a quiet, low noise design is a must. The M505 utilizes a low mass diaphragm and special capsule isolation to reduce handling and cable noise.

The exterior is made of rugged aluminium and finished in a tough baked urethane coating so the M505 not only sounds good, but looks good for a long time.

The M505 gives the performing artist an economical microphone which offers the performance, construction and versatility that sounds expensive, but isn't. Surpassed only by studio microphones costing many times its price, the M505 is the performing artist's performer.

M505/ M505BL

PROFESSIONAL VOCAL MICROPHONES

Specifications

Element	Moving coil dynamic
Polar pattern	Uni-directional(cardioid)
Frequency response	50Hz-15kHz
Sensitivity	-56dB(dB=1V/Pa,1000Hz)
Impedance	250ohms, balanced
Output connector	XLR/A3F
Output termination	Transformerless
Finish	M505, non-reflective gray urethane body with silver ball M505BL, non-reflective black urethane body with black ball
Dimensions	172mm × 52mm 6.77in × 2.0in
Weight	300 g 10.6oz
Supplied accessories	Microphone holder Zippered vinyl carrying case

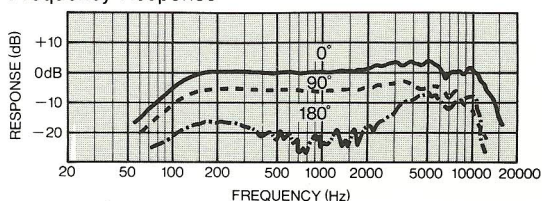
ARCHITECTURAL SPECIFICATIONS

The microphone shall have a nominal diameter of 52mm(2 in), an overall length not greater than 172mm(6.8 in), and a weight of at least 300g(6.8oz). The microphone shall be a moving-coil dynamic type with a cardioid (uni - directional) polar response pattern. The microphone shall incorporate an integral shock mount to minimize external vibration noise response. A three stage internal wind screen(pop-filter) and a moisture repellent screen shall be provided. The body of the microphone shall be constructed of aluminium and shall be finished in a rugged, baked urethane exterior. The terminating output connector shall be a XLR/A3F type.

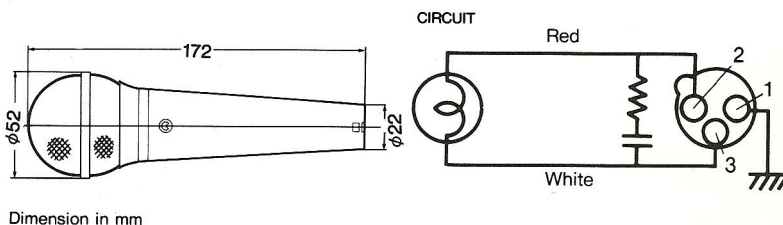
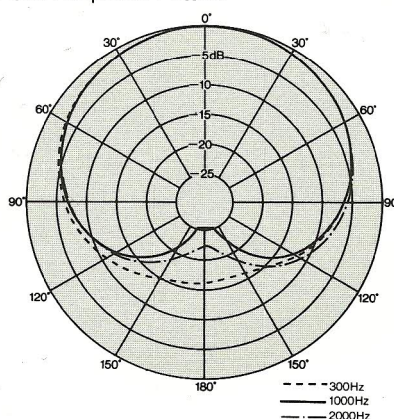
The microphone shall meet the following performance criteria. Frequency response measured on axis shall be 100 Hz-13 kHz ± 5 dB. Sensitivity shall be -56 dB (0dB=1V/Pa, 1000 Hz). The wind noise specification, measured with a constant parallel air stream of 2m/sec, shall be no greater than 40dB equivalent SPL. The induction noise(hum) specification, measured with the microphone in a parallel magnetic field of 1mG, 50Hz, shall be no greater than 1dB equivalent SPL. Front-to-back average discrimination at 1000Hz shall be at least 20dB. Nominal impedance shall be 250 ohms, balanced to ground.

The microphone shall be the Fostex model M505/M505BL.

Frequency Response



Polar Response Pattern



Dimension in mm

Fostex
Electro Acoustic Systems

FOSTEX CORPORATION

512, MIYAZAWACHO, AKISHIMA, TOKYO, JAPAN 196 TELEPHONE: 0425-45-6111 TELEX: 2842 213 FOSTEX J

FOSTEX CORPORATION OF AMERICA

15431 BLACKBURN AVE., NORWALK, CA 90650, U.S.A. TELEPHONE: 213-921-1112 TELEX: 674918

Specifications subject to change without notice.

1430851150 © SEP.1983 FOSTEX Printed in Japan