



Commercial Audio Products

CTM-55B/CTM-55BLS

DYNAMIC SUPERCARDIOID MICROPHONE

Description

The **CTM-55B** is a dynamic supercardioid microphone designed for professional vocalists and musicians. The **CTM-55B** provides the performance and features to satisfy today's most demanding professionals.

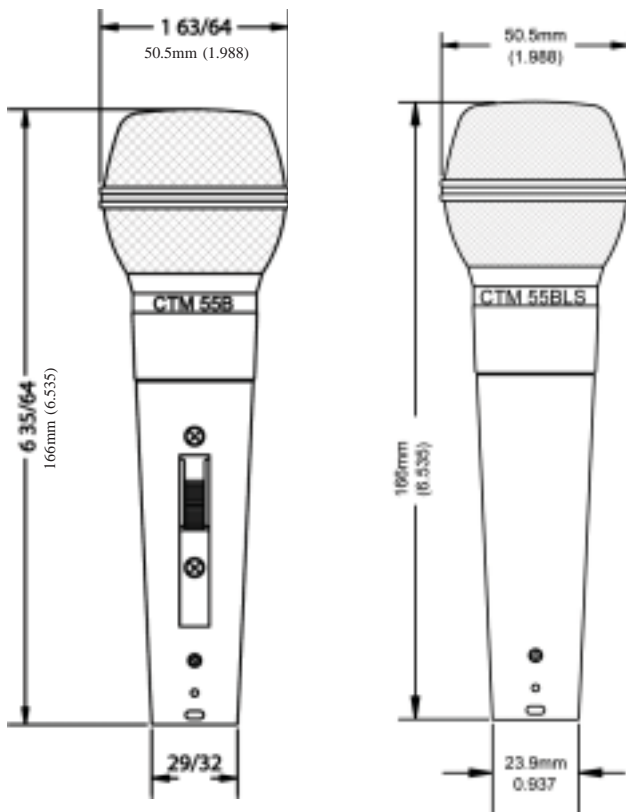
The wide and flat frequency response of the **CTM-55B** provides unsurpassed natural transparent sound quality. The supercardioid pickup pattern minimizes annoying feedback (when used close to reinforcement speakers and monitors) and reduces the pickup of unwanted off-axis sounds. An effective internal multistage pop filter minimizes wind and breath noise.

The **CTM-55B** has a **Flex-Form™** hardened steel grille screen that dramatically resists deformation while greatly reducing any risk of adverse performance caused by a bent or dented ball screen. This unique ability to retain its original shape assures that the **CTM-55B** will maintain its attractive appearance. The **CTM-55B** screen is painted a durable soft feel midnight black. The **CTM-55B** is also available without a switch (**CTM-55BLS**)

The **CTM-55B** utilizes the proprietary **Astatic (I.N.R.-2™) Impact Noise Rejection** system. A rubber shock mount isolates the transducer from the body, thus dramatically reducing cable, stand and handling noise. The need for any external shock-mounting device is virtually eliminated.

The low-frequency response of the **CTM-55B** may be enhanced by increasing or decreasing the distance from the sound source. This phenomenon is technically known as "proximity effect". Normal or "flat" response is generated at a distance of 24 inches or more. However, as the distance to the sound source decreases, the bass sensitivity increases, providing a solid robust character.

The **CTM-55B** is supplied complete with a zippered vinyl protective pouch and a microphone swivel clamp.



Astatic Quality

All **CTM-55B** microphones are audio tested and inspected prior to shipment. Our absolute commitment to quality insures that Astatic microphones remain the best value in today's competitive industry.

Operation and Maintenance

The **CTM-55B** is one of the finest hand-held vocal microphones available at any price. Although it is incredibly durable, it should be stored in the provided zipper pouch to protect it from dust and dirt when not in use.

If the front screen becomes soiled by dirt or residue, it may be cleaned using the following procedure: Unscrew the front screen assembly, remove the inside foam windscreen, wash using mild detergent, and let dry thoroughly. Follow the same method for the outer grille screen. To clean the mike housing, use a cloth dampened with isopropyl alcohol.

Specifications

Generating Element:

Moving Coil Dynamic, Neodymium Magnet

Polar Pattern:

Supercardioid

Frequency Response:

50 Hz - 16kHz

Output Level:

Open Circuit Voltage @ 1KHz:

-54dBV (2mv) @ Pa

Impedance:

Low (200 ohms nominal)

Phasing:

Positive pressure on diaphragm generates a positive voltage on pin 2 relative to pin 3

Shock Mounting System:

I.N.R.-2 (Impact Noise Rejection)

Grille Screen:

Woven Flex-Form™ (hardened steel)

Case:

Die Cast Zinc Alloy

Finish:

Durable Soft Feel, Non-Slip Midnight Black.

Dimensions:

See Drawing

NET Weight:

285 grams (10 oz.)

Included Accessories:

40-328...Microphone swivel clamp

40-375...Zippered vinyl pouch

Optional Accessories:

TBS-2...Non-reflective round base floor stand

40-109...Adjustable mic stand boom arm

40-352...25ft. broadcast quality cable terminated with professional 3 pin male/female connectors

40-350...50ft. broadcast quality cable

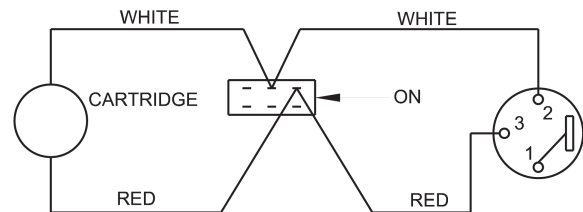
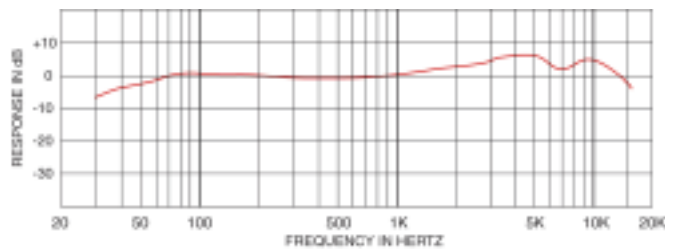
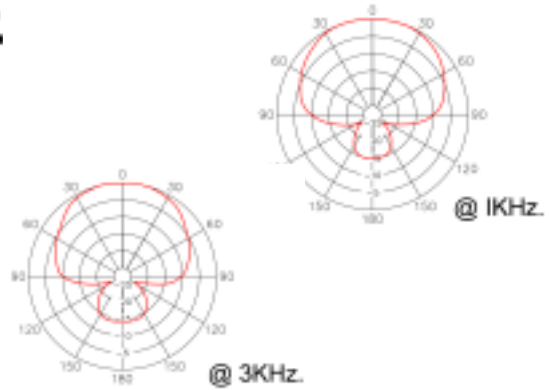
40-351...100ft. broadcast quality cable

Architects' and Engineers Specifications

The microphone shall be a dynamic supercardioid type, low impedance with a wide-range frequency response, uniform from 50 Hz to 16 kHz. Output level at 1 kHz shall be - 54dBV @ 1 Pa. The polar response shall show a minimum of -20 dB at 125 degrees between 150 Hz and 3 kHz. The transducer shall be isolated from handling noise, and other mechanically generated vibration. The woven steel screen, when attached to the microphone, shall withstand a drop of six feet to a wooden floor without any deformation. The microphone shall have a length of $6\frac{7}{32} \pm 1/32$, and a maximum diameter of $2 \pm 1/32$ ". The microphone shall be finished in a durable Soft Feel, Non-Slip Midnight Black. A microphone swivel clamp and zippered vinyl protective pouch shall be supplied.

The Astatic Model CTM-55B/CTM-55BLS is specified.

SPECIFICATIONS FOR CTM-55B/CTM-55BLS



Two-Year Limited Warranty

Omnitronics, LLC ("Astatic") hereby warrants that this product will be free of defects in material and workmanship for a period of two years from the date of purchase. In the unlikely event that a defect occurs, Astatic will, at its opinion, either repair or replace with a new unit of equal or greater value. You should retain proof of purchase to validate the purchase date and return it with any warranty claim. **You must call 440-593-1111 ext. 212 to get a RETURN AUTHORIZATION number, which must appear on the outside of the package.** Return warranty claims carefully packed, insured and prepaid to the Service Department at the address listed below.

This warranty excludes exterior finish or appearance, damage from abuse, misuse of the product, use contrary to Astatic's instructions or unauthorized repair. All implied warranties, merchantability, or fitness for a particular purpose is hereby disclaimed and Astatic hereby disclaims liability for incidental, special or consequential damages resulting from the use or unavailability of this product.

This warranty gives you specific legal rights and you may have other rights, which may vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above exclusions and limitations may not apply to you.

Note: No other warranty written or oral is authorized by Astatic, an Omnitronics, LLC company • 341 Harbor Street • Conneaut, OH 44030