

# ACE BACKSTAGE CO., INC. STAGE POCKET SYSTEMS

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# DATA SHEET

Choir Stick Microphones  
Data Spec Sheet  
Revision: 2/1/2021

<b>Model Numbers:</b>	#CSM-40x/60x (where x is element type   C=Cardioid and H=Hypercardioid)
<b>Model Name:</b>	Choir Stick Microphone
<b>Model Description:</b>	Choir Stick Microphone using Audio-Technica® Technology

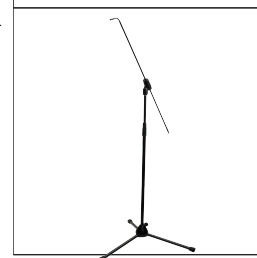
## CSM-40 and CSM-60 CHOIR STICK MICROPHONES

Designed for quality broadcast applications, sound reinforcement, professional recording and other demanding sound pickup situations, these Choir Stick Microphones (CSM) offer the performance of an overhead hanging choir mic in a totally portable configuration.

The low profile, light weight, black aluminum stick mic is easily placed for quick stage changes with a sleek design making it practically invisible to the audience.

ACE incorporates the newest AUDIO-TECHNICA Engineered Sound Series element and gooseneck creating a microphone arm with three points of articulation for exact positioning above and over any performer for professional quality sound reinforcement. Use the (CSM) Choir Stick Microphone for children or adult groups on the stage steps, portable risers or anywhere.

The CSM-40 (40") and CSM-60 (60") Choir Stick Microphone is supplied with a telescoping Taper-Body Clutch that will secure the CSM to an existing microphone stand. The phantom powered output module snaps into the provided U-U Clip for easy cable mating and protection from foot traffic.



### CHOIR STICK MIC MODEL NUMBERS

- #CSM-40C .....40" Long Choir Stick Mic w/ 120° Cardioid Element
- #CSM-40H .....40" Long Choir Stick Mic w/ 100° Hypercardioid Element
- #CSM-60C .....60" Long Choir Stick Mic w/ 120° Cardioid Element
- #CSM-60H .....60" Long Choir Stick Mic w/ 100° Hypercardioid Element

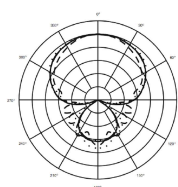
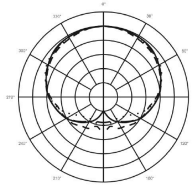
## AUDIO-TECHNICA® ENGINEERED SERIES PARTS

### CHOIR STICK MIC ELEMENTS:

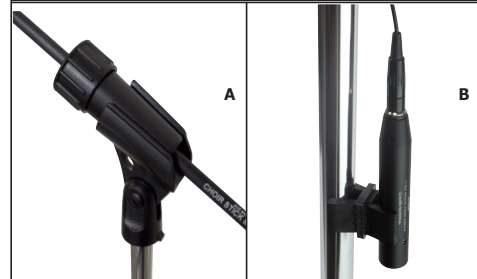
Audio-Technica® elements are interchangeable and the flexible design of the new gooseneck allows greater maneuverability of the condenser while maintaining a sleek, compact appearance.

A) Cardioid 120°

B) Hypercardioid 100°



### TAPER BODY CLUTCH STAND MOUNT and U-U CLIP



#### TAPER BODY CLUTCH STAND MOUNT (A)

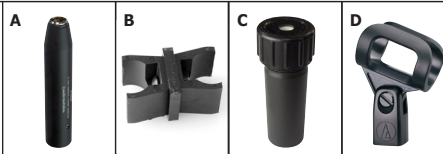
The simple design of the Taper Body Clutch Stand Mount makes it easy to use on almost any standard microphone stand. The compact size creates a sleek look while maintaining a stable foundation.

#### U-U CLIP (B)

The U-U Power Module Clip captures the power module against the mic stand for easy connection with mating cable. Made with state of the art molded plastic, this clip is strong and durable.

### CHOIR STICK MICROPHONES INCLUDE

The Choir Stick Microphone is supplied with a Phantom Power Module (A), a U-U Power Module Clip (B), a Taper Body Clutch (C), and a Stand Mount Clip (D). The Stick Mic has an impedance range of 250 ohms and requires 11-52v of Phantom Power



### CSM-40 and CSM-60 CHOIR STICK MICROPHONES SPECIFICATIONS

MODEL NUMBER	MOUNT TYPE	POLAR PATTERN	ELEMENT TYPE	FREQUENCY RESPONSE	OPEN CIRCUIT SENSITIVITY <sup>1</sup>	MAX INPUT SOUND LEVEL <sup>2</sup>	DYNAMIC RANGE <sup>3</sup>	SIGNAL-TO-NOISE RATIO <sup>4</sup>
#CSM-40/60C	Stick Mic	Cardioid	Fixed charge back plate permanently polarized condenser	30-20,000 Hz	-44 dB (6.3mV)	135 dB SPL	108 dB	67 dB
#CSM-40/60H	Stick Mic	Hyper-Cardioid		30-20,000 Hz	-44 dB (6.3mV)	135 dB SPL	108 dB	67 dB

<sup>1</sup> re 1V at 1 Pa = 1 Pascal = 10 dynes/cm<sup>2</sup> = 10 microbars = 94 dB | <sup>2</sup> 1kHz at 1% T.H.D. | <sup>3</sup> 1 kHz at Max SPL | <sup>4</sup> 1 kHz at 1 Pa - Typical A-weighted using System 1