



- Designed for broadcast and professional recording, and field use
- Unique coincident capsule configuration produces accurate stereo image in smaller housing
- Large-diaphragm capsules for pristine sound quality and exceptionally low noise
- Compact, lightweight design is ideal for camera-mount use
- Excellent channel separation
- Integral 80 Hz HPF switch and 10 dB pad

The BP4025 is intended for use in professional applications where remote power is available. It requires 11V to 52V DC phantom power, which may be provided by an audio mixer, or by a separate, in-line source such as the Audio-Technica AT8801 single-channel or CP8506 four-channel phantom power supplies.

Output for each stereo channel is low impedance (Lo-Z) balanced. The balanced signals appear across Pins 2 and 3 for the left channel, Pins 4 and 5 for the right channel. Pin 1 is ground (shield) for both channels. Output is "Pins 2 and 4 hot" — positive acoustic pressure produces positive voltage at Pins 2 and 4.

Locating the BP4025 nearer the sound source enhances the width of the stereo image, while decreasing room ambience. Conversely, as the mic position moves away from the sound source, a narrower left/right stereo image results and more of the "room sound" is noted.

An integral 80 Hz hi-pass filter provides easy switching from a flat frequency response to a low-end roll-off. The roll-off position reduces the pickup of low-frequency ambient noise (such as traffic, air-handling systems, etc.), room reverberation and mechanically coupled vibrations.

The BP4025 is also equipped with a switchable 10 dB pad that lowers the microphone's sensitivity, thus providing higher SPL capability for flexible use for a wide range of speakers/performers and system configurations.

Avoid leaving the microphone in the open sun or in areas where temperatures exceed 110° F (43° C) for extended periods. Extremely high humidity should also be avoided.

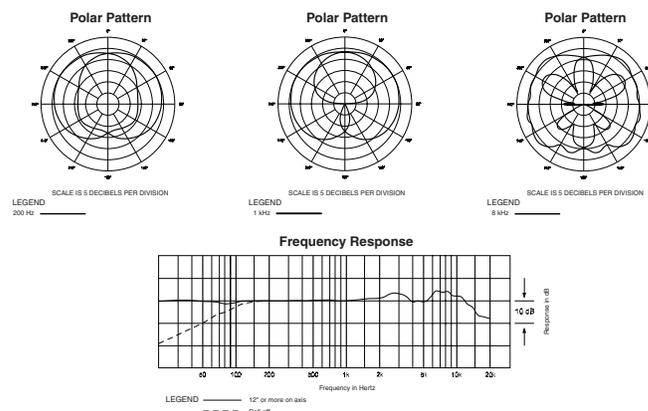
BP4025 SPECIFICATIONS*

ELEMENT	Fixed-charge back plate permanently polarized condenser
CHANNEL BALANCE	<2.5 dB
POLAR PATTERN	X/Y Stereo
FREQUENCY RESPONSE	20-17,000 Hz
LOW FREQUENCY ROLL-OFF	80 Hz, 12 dB/octave
OPEN CIRCUIT SENSITIVITY	-32 dB (25.1 mV) re 1V at 1 Pa*
IMPEDANCE	170 ohms
MAXIMUM INPUT SOUND LEVEL	145 dB SPL, 1 kHz at 1% T.H.D.; 155 dB SPL, with 10 dB pad (nominal)
DYNAMIC RANGE (typical)	131 dB, 1 kHz at Max SPL
SIGNAL-TO-NOISE RATIO[†]	80 dB, 1 kHz at 1 Pa*
PHANTOM POWER REQUIREMENTS	11-52V DC, 7 mA typical (both channels total)
SWITCHES	Flat, roll-off; 10 dB pad (nominal)
WEIGHT (less cable and accessories)	269 g (9.5 oz)
DIMENSIONS	186.0 mm (7.32") long, 47.6 mm (1.87") head diameter 21.0 mm (0.83") body diameter
OUTPUT CONNECTOR	Integral 5-pin XLRM-type
CABLES	5.0 m (16.5') long, 8 conductor, shielded, vinyl-jacketed stereo cable with 5-pin XLRF-type connector at microphone end and two 3-pin XLRM-type connectors at output end
ACCESSORIES FURNISHED	AT8405a stand clamp for 5/8"-27 threaded stands; windscreens; soft protective pouch

[†]In the interest of standards development, A.T.U.S. offers full details on its test methods to other industry professionals on request.

*1 Pascal = 10 dynes/cm² = 10 microbars = 94 dB SPL
* Typical, A-weighted, using Audio Precision System One.

Specifications are subject to change without notice.



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