

AT8004 OMNIDIRECTIONAL DYNAMIC MICROPHONE



AT8004 SPECIFICATIONS†

ELEMENT	Dynamic
POLAR PATTERN	Omnidirectional
FREQUENCY RESPONSE	80-16,000 Hz
OPEN CIRCUIT SENSITIVITY	-51 dB (2.8 mV) re 1V at 1 Pa*
IMPEDANCE	300 ohms
WEIGHT	160 g (5.6 oz)
DIMENSIONS	150.5 mm (5.93") long, 35.8 mm (1.41") head diameter
OUTPUT CONNECTOR	Integral 3-pin XLRM-type
ACCESSORIES FURNISHED	AT8405a stand clamp for 5/8"-27 threaded stands; 5/8"-27 to 3/8"-16 threaded adapter; 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.

- Ideal for interviews, sports broadcasting and as the "mono" mic when used in conjunction with a stereo microphone
- Omnidirectional polar pattern provides natural reproduction of surrounding ambience
- Rugged housing with hardened-steel grille stands up to field use
- Internal shock mounting minimizes handling and cable noise

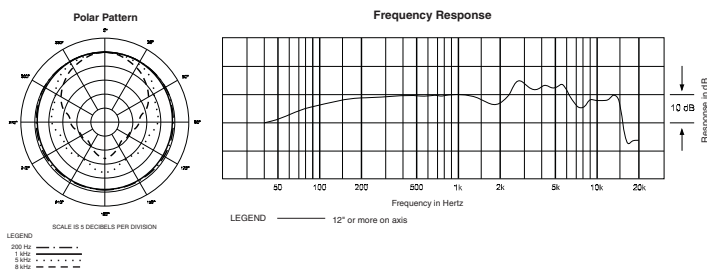
Output from the microphone's XLRM-type connector is low impedance (Lo-Z) balanced. The signal appears across Pins 2 and 3; Pin 1 is ground (shield). Output phase is "Pin 2 hot" – positive acoustic pressure produces positive voltage at Pin 2.

To avoid phase cancellation and poor sound, all mic cables must be wired consistently: Pin 1-to-Pin 1, etc. For a high-impedance (Hi-Z) mic input, connect a Lo-Z balanced cable to a Hi-Z matching transformer (Audio-Technica CP8201 or equal) at the equipment input.

Plug Type	Ground	Audio "+"	Audio "-"
XLR	Pin 1	Pin 2	Pin 3
1/4" "TRS"	Sleeve	Tip	Ring
1/4"	Sleeve	Tip	Sleeve

The microphone is RoHS compliant—free from all substances specified in the EU directive on hazardous substances.

Take care to keep foreign particles from entering the windscreen. An accumulation of iron or steel filings on the diaphragm, and/or foreign material in the windscreen's mesh surface, can degrade performance.



Audio-Technica U.S., Inc., 1221 Commerce Drive, Stow, Ohio 44224
 Audio-Technica Limited, Old Lane, Leeds LS11 8AG England
www.audio-technica.com

