

# PRO 8HEX HYPERCARDIOID DYNAMIC HEADWORN MICROPHONE



## PRO 8HEX SPECIFICATIONS†

<b>ELEMENT</b>	Dynamic
<b>POLAR PATTERN</b>	Hypercardioid
<b>FREQUENCY RESPONSE</b>	200-18,000 Hz
<b>OPEN CIRCUIT SENSITIVITY</b>	-55 dB (1.7 mV) re 1V at 1 Pa*
<b>IMPEDANCE</b>	600 ohms
<b>WEIGHT</b>	2.1 oz (60 g)
<b>DIMENSIONS</b>	
<b>HEADSET</b>	4.72" (120.0 mm) nominal at widest point; 3.17" (80.5 mm) flexible boom 0.80" (20.4 mm) diameter
<b>MICROPHONE</b>	
<b>OUTPUT CONNECTOR</b>	3-pin XLRM-type on cable
<b>CABLE</b>	7.2' (2.2 m) long, 0.11" (2.8 mm) diameter miniature audio cable permanently attached between microphone and XLRM-type connector
<b>ACCESSORIES FURNISHED</b>	AT8139L large windscreen; AT8139S small windscreen; AT8439 clothing clip

†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/cm<sup>2</sup> = 10 microbars = 94 dB SPL  
Specifications are subject to change without notice.

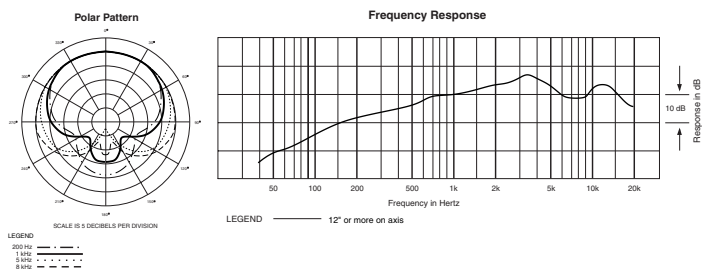
- Professional-quality vocal pickup with hands-free operation
- Ideal for guitarists, keyboard players, drummers and others who need the use of their hands during performance
- Hi-ENERGY® neodymium element for articulate vocal reproduction
- Low-visibility, lightweight headband and cushioned support pads provide stable, comfortable fit
- Pivot-mounted flexible mic boom descends from left or right side
- Hypercardioid polar pattern improves isolation of desired sound source
- Also available as: PRO 8HEcW — 55" (1.4 m) cable terminated with locking 4-pin connector for A-T UniPak™ wireless systems

Output 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 (A-T CP8201 or equal) at the equipment input.

For maximum stability and minimum visibility, the adjustable headband should be worn around the back of the head, with each cushioned support pad resting on the temple in front of the ear. The cable should remain clipped to the headband, with some slack at the boom connection.

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