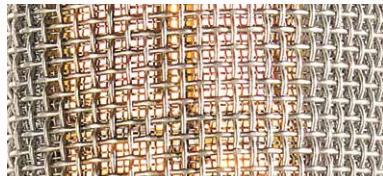




50 Series

Premier Studio Microphones





AT5045

**"The AT5045 was quite a revelation.
It's super-fast with
an exceptional tonal character."**

Michael Beinhorn
August 2014 **Thoughts on the AT5045**



AT5040

**"...what this mic does
to the human voice
is a thing of beauty."**

Recording Magazine
May 2013 **Review of the AT5040**



LISTEN FOR MORE: Purity, Presence, Depth & Detail

Our 50 Series premier studio microphones are designed to capture vocals and instruments with profound realism and depth, presence and purity of sound. Featuring large-diaphragm characteristics and fast transient response, the 50 Series microphones deliver remarkably musical high-fidelity performance that's in a class by itself.

50 Series Premier Studio Microphones

Every 50 Series microphone is hand assembled and individually inspected for 100% quality control. Each microphone is enclosed in an elegant housing of aluminum and brass with a high-quality gray finish for durability and low reflectivity. Discrete components have been selected for optimized performance. The circuitry and capsule assembly are mounted as a single block within a floating internal shock mount, effectively decoupling the capsule from the microphone body for excellent isolation. In fact, every aspect of these microphones has been carefully considered to minimize any negative effects on the audio signal.

We've developed the 50 Series with an eye (and an ear) toward innovation, pushing and manipulating microphone technology to achieve extreme purity of sound from elegant recording tools that are as much works of art as the music they are meant to capture. These are the microphones that showcase our latest technological breakthroughs and set new standards for studio condensers.

The future is now. Listen for more.



bottom of microphone

Included Accessories



AT8480 shock mount for 1/8\"/>



protective carrying case

AT5040 | Studio Vocal Microphone

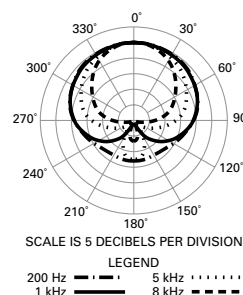
Designed as a first-choice vocal microphone, the AT5040 cardioid condenser melds four ultra-thin diaphragms to create Audio-Technica's largest element ever, with a combined surface area twice that of a standard one-inch circular diaphragm. By using four diaphragms in a single capsule, the AT5040 delivers all the large-diaphragm benefits – along with an extremely low noise floor – without increased weight, decreased transient response or other drawbacks that typically restrict diaphragm size. This, combined with advanced internal shock mounting, results in a microphone with an extremely smooth top end, controlled sibilance and exquisite purity of sound.

- Audio-Technica's premier studio condenser vocal microphone
- Extremely musical high-fidelity performance, with profound realism and depth, presence and purity of sound
- Four rectangular diaphragms (2 micron) function together as Audio-Technica's largest-ever element, providing combined surface area twice that of a standard circular one-inch diaphragm
- Exceptionally low noise and wide dynamic range ideal for studio vocals
- Discrete components carefully selected for optimized capsule performance
- High-SPL capability and extended frequency response
- Hand built and inspected for 100% quality control
- Advanced internal shock mounting decouples the capsule from the microphone body
- Elegant, durable housing of aluminum and brass
- Included advanced-design custom AT8480 shock mount provides superior isolation
- Custom hard-shell carrying case with die-cut foam compartments offers protection during storage and transport

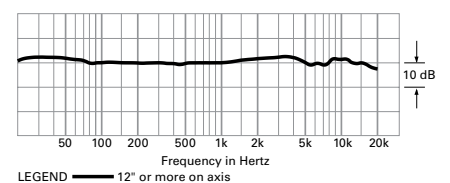
Specifications

Element	Fixed-charge back plate, permanently polarized condenser	
Polar pattern	Cardioid	Frequency response 20–20,000 Hz
Impedance	50 ohms	Noise¹ 5 dB SPL
Open circuit sensitivity	–25 dB (56.2 mV) re 1V at 1 Pa*	
Maximum input sound level	142 dB SPL, 1 kHz at 1% T.H.D.	
Dynamic range (typical)	137 dB, 1 kHz at Max SPL	
Signal-to-noise ratio¹	89 dB, 1 kHz at 1 Pa*	
Phantom power	48V DC, 3.8 mA typical	Weight 582 g (20.5 oz)
Dimensions	165.3 mm (6.51") long, 57.0 mm (2.24") maximum body diameter	

Polar Pattern



Frequency Response: 20–20,000 Hz





Included Accessories



AT5045 | Studio Instrument Microphone

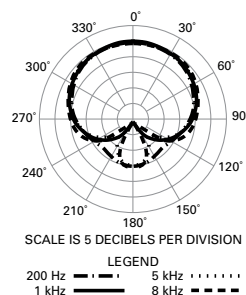
Available as a single mic or as stereo pairs, the AT5045 is a premier condenser instrument microphone that offers the performance of a large-diameter, side-address condenser in a convenient, stick-type body. In fact, despite the space limitations imposed by its housing, the AT5045 boasts Audio-Technica's largest single diaphragm. The microphone's circuitry has been honed to the essentials, allowing the AT5045 to achieve an unprecedented dynamic range that's one of the widest of any microphone on the market.

- Audio-Technica's premier studio condenser instrument microphone
- Pure, realistic sound quality for overheads, percussion, acoustic guitar, strings and other acoustic instruments
- Side-address, stick-design microphone with more diaphragm surface area than most traditional large diaphragm side-address microphones
- Discrete components carefully selected for optimized capsule performance
- Transformer-coupled output is optimized to provide smooth sonic character
- Exceptionally low noise with high-SPL capability
- Hand built and inspected for 100% quality control
- Advanced internal shock mounting decouples the capsule from the microphone body
- Elegant, durable housing of aluminum and brass
- Innovative isolation clamp provides secure mounting, versatile positioning and effective dampening of unwanted mechanical noise; optional AT8482 shock mount for additional isolation
- Custom hard-shell carrying case with die-cut foam compartments offers protection for one or two microphones

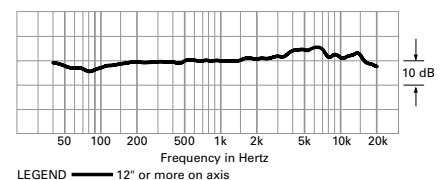
Specifications

Element	Fixed-charge back plate, permanently polarized condenser	
Polar pattern	Cardioid	Frequency response 20–20,000 Hz
Impedance	100 ohms	Noise¹ 8 dB SPL
Open circuit sensitivity	–35 dB (17.7 mV) re 1V at 1 Pa*	
Maximum input sound level	149 dB SPL, 1 kHz at 1% T.H.D.	
Dynamic range (typical)	141 dB, 1 kHz at Max SPL	
Signal-to-noise ratio¹	86 dB, 1 kHz at 1 Pa*	
Phantom power	48V DC, 1.4 mA typical	Weight 197 g (7.0 oz)
Dimensions	177.0 mm (6.97") long, 25.0 mm (0.98") maximum body diameter	

Polar Pattern



Frequency Response: 20–20,000 Hz





Audio-Technica U.S., Inc. 1221 Commerce Drive, Stow, Ohio 44224
(330) 686-2600 Fax: (330) 686-0719 E-mail: pro@atus.com
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In the interest of standards development, A.T.U.S. offers full details on its test methods to other industry professionals on request.

¹ Typical, A-weighted, using Audio Precision System One.

* 1 Pascal = 10 dynes/cm² = 10 microbars = 94 dB SPL

Specifications are subject to change without notice.