



audio-technica



50 Series

World-Class Studio Microphones



Audio-Technica's 50 Series line of premier condenser microphones delivers remarkably musical high-fidelity performance, with profound realism and depth, presence and purity of sound. Every 50 Series microphone is individually tested and inspected for 100 percent quality assurance.



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.

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.

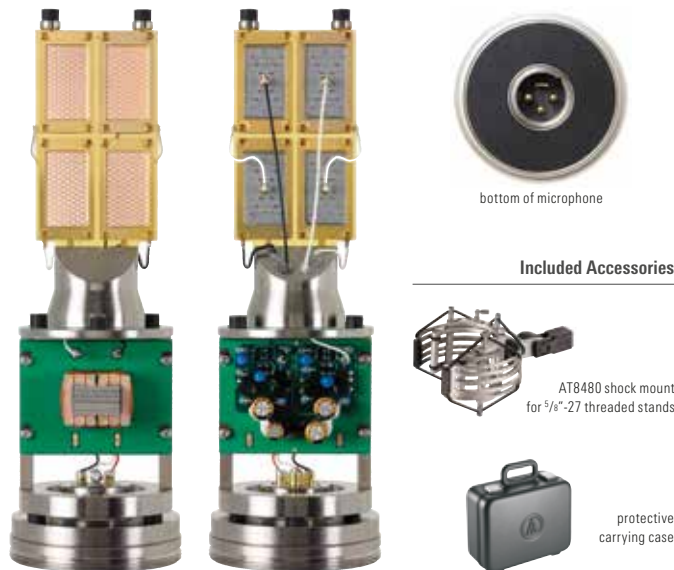
We've developed the 50 Series with an eye (and an ear) toward innovation, pushing and manipulating microphone technology to achieve extreme purity of sound from elegant recording tools that are as much works of art as the music they are meant to capture. These are the microphones that showcase our latest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

The future is now. Listen for more.

AT5047 | TRANSFORMER-COUPLED CARDIOID CONDENSER MICROPHONE

The AT5047 features four rectangular diaphragms that function together to provide a combined surface area twice that of a standard one-inch circular diaphragm. The transformer coupled output provides a smooth sonic character, which mixed with the wide dynamic range, captures all of the expressive subtleties of instruments and voices.

- Exceptionally wide dynamic range captures the full, expressive character of instruments and voices – from the caress of drum brushes to powerful vocal performances
- Four rectangular diaphragms (2 micron) function together to provide a combined surface area twice that of a standard one-inch circular diaphragm
- Discrete components carefully selected and optimized for maximum performance and compatibility with standalone microphone preamps and console inputs
- Transformer-coupled output provides smooth sonic character
- Hand assembled 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 carry case with die-cut foam compartments offers protection during storage and transport

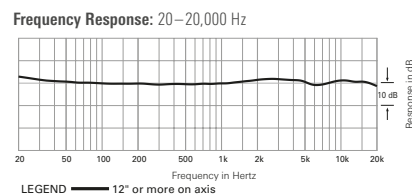
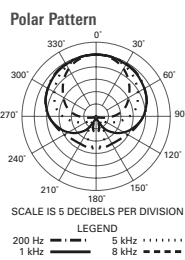


Specifications

Element	Fixed-charge back plate, permanently polarized
Polar pattern	Cardioid
Frequency response	20-20,000 Hz
Open circuit sensitivity	-29 dB (35.5 mV) re 1V at 1 Pa*
Impedance	150 ohms
Max. input sound level	148 dB SPL, 1 kHz at 1% T.H.D.
Noise	6 dB SPL
Dynamic range (typical)	142 dB SPL, 1 kHz at 1% T.H.D.
Signal-to-noise ratio	88 dB, 1 kHz at 1 Pa*
Phantom power	48V DC, 2.7 mA typical
Weight	592g
Dimensions	165.3 mm long, 57.0 mm max. body diameter
Output connector	Integral 3-pin XLRM-type
Included accessories	AT8480 shock mount, stand adapter (3/8"-5/8"), carry case

Specifications are subject to change without notice.

*1 Pascal = 10 dynes/cm² = 10 microbars = 94 dB SPL ¹ Typical, A-weighted.





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.

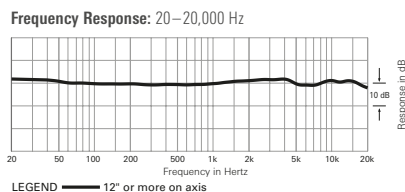
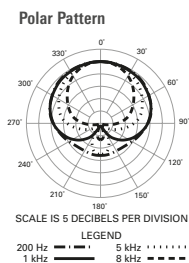
- Audio-Technica's premier studio condenser vocal microphone.
- Extremely musical high-fidelity performance, with profound realism and depth, presence and purity of sound.
- Four rectangular diaphragms (2 micron) function together as Audio-Technica's largest-ever element, providing combined surface area 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.
- Included advanced-design custom AT8480 shock mount provides superior isolation
- Custom hard-shell carry 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
Dimensions	165.3 mm long, 57.0 mm maximum body diameter		

Specifications are subject to change without notice.
 *1 Pascal = 10 dynes/cm² = 10 microbars = 94 dB SPL ¹ Typical, A-weighted.



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.



Included Accessories



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

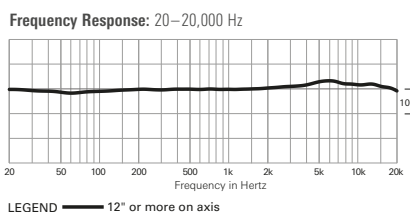
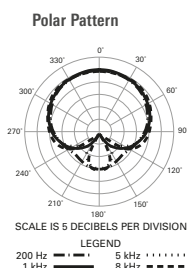
Signal-to-noise ratio¹ 86 dB, 1 kHz at 1 Pa*

Phantom power 48V DC, 1.4 mA typical **Weight** 197 g

Dimensions 177.0 mm long, 25.0 mm maximum body diameter

Specifications are subject to change without notice.

*1 Pascal = 10 dynes/cm² = 10 microbars = 94 dB SPL ¹ Typical, A-weighted.



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