



Problem-solving

Progressive

Proven

And most of all,

Professional

PROSERIES
MICROPHONES



Including

PROPOINT[®]
installed-sound microphones

 **audio-technica**[®]
always listening[™]



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PROPOINT®

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Audio-Technica's Pro Series has a hard-working, dependable microphone to meet every sound reproduction and reinforcement challenge. And every budget.

With state-of-the-art electronics and smooth, clear sound, the Pro Series has earned a reputation for providing professional quality at an incredibly reasonable price. This rugged, reliable line includes a wide range of handheld and specialty models for miking vocals, instruments and more.

Benefiting from the accumulation of more than 40 years of Audio-Technica's intensive research and testing, each Pro Series microphone brings the latest in electro-acoustic technology to sound reproduction and reinforcement.

Dependable. Professional. Versatile.

Audio-Technica engineers sweat the details. They start early and stay late, consumed with such topics as banishing feedback, minimizing noise and creating a microphone that can survive the realities of day-to-day use and still deliver precise, accurate reproduction every time.

The result is the highest sonic quality and most durable design in its class. A true price/performance leader, the Pro Series is engineered for clarity, volume, durability and easy operation. At a price you can afford.

Whether you plan to take it on the road or into the studio, choose the industry workhorse: Pro Series microphones from Audio-Technica, the pioneer in high-performance transducer design.



Legendary performance.

Engineered for live performance, recording and sound reinforcement, Pro Series vocal microphones set price/performance standards for intelligibility, transparent sound quality and noise suppression. These rugged mics offer a broad frequency response and low handling noise in a tough, durable design that delivers consistent performance on the road.

PRO 31 & PRO 31QTR Cardioid Dynamic Microphones

These affordable cardioid dynamic microphones are designed for close-up vocal performance. Available in two models for easy use with a variety of audio gear: **PRO 31** (XLR/XLRM cable) and **PRO 31QTR** (XLR-1/4" cable).

- Cardioid polar pattern reduces pickup of sounds from the sides and rear, improving isolation of desired sound source
- Hi-ENERGY® neodymium magnet for high output and articulate vocal reproduction
- Two-stage ball-type headcase for superior "pop" protection
- MagnaLock™ silent on/off switch
- Corrosion-resistant contacts from gold-plated XLRM-type connector
- **PRO 31** is equipped with XLR/XLRM cable;
PRO 31QTR is equipped with XLR-1/4" cable



PRO 31 & PRO 31QTR Cardioid Dynamic Microphones

SPECIFICATIONS†

ELEMENT	Dynamic
POLAR PATTERN	Cardioid
FREQUENCY RESPONSE	60-13,000 Hz
OPEN CIRCUIT SENSITIVITY	-55 dB (1.7 mV) re 1V at 1 Pa*
IMPEDANCE	600 ohms
SWITCH	MagnaLock™ on/off
WEIGHT	11.0 oz (312 g)
DIMENSIONS	7.28" (185.0 mm) long, 2.09" (53.1 mm) head diameter
OUTPUT CONNECTOR	Integral 3-pin XLRM-type
CABLE	PRO 31: 15.0' (4.5 m) cable with XLR-type connector at microphone end, XLRM-type connector at equipment end PRO 31QTR: XLR-type connector at microphone end, 1/4" connector at equipment end
ACCESSORIES FURNISHED	AT8470 Quiet-Flex™ stand clamp for 5/8"-27 threaded stands; 5/8"-27 to 3/8"-16 threaded adapter; soft protective pouch

vocal

PRO 31, 41, 61 included accessories



15' cable (XLR-XLRM)
(PRO 31QTR: XLR-1/4")

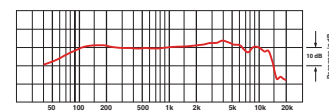


AT8470 Quiet-Flex™
stand clamp

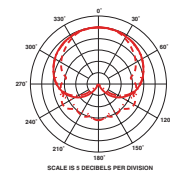


Protective pouch

FREQUENCY RESPONSE



POLAR PATTERN



PRO 41

Cardioid Dynamic Microphone

This cardioid dynamic step-up design provides natural, full-range vocal reproduction. Ideal for close-up vocal use in performance.

- Superior internal shock mounting reduces handling noise
- Cardioid polar pattern reduces pickup of sounds from the sides and rear, improving isolation of desired sound source
- Hi-ENERGY® neodymium magnet for articulate vocal reproduction
- Two-stage ball-type headcase for superior “pop” protection
- MagnaLock™ silent on/off switch
- Corrosion-resistant contacts from gold-plated XLRM-type connector



PRO 41
Cardioid Dynamic
Microphone



PRO 61
Hypercardioid Dynamic
Microphone

PRO 61

Hypercardioid Dynamic Microphone

The premier Pro Series vocal microphone delivers excellent gain before feedback and outstanding stage presence for lead and back-up vocals. With its extended frequency response, the **PRO 61** provides optimal clarity and smooth, natural sonic characteristics.

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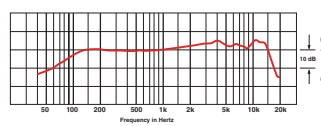
SPECIFICATIONS†

ELEMENT	Dynamic	Dynamic
POLAR PATTERN	Cardioid	Hypercardioid
FREQUENCY RESPONSE	90-16,000 Hz	70-16,000 Hz
OPEN CIRCUIT SENSITIVITY	-55 dB (1.7 mV) re 1V at 1 Pa*	-55 dB (1.7 mV) re 1V at 1 Pa*
IMPEDANCE	300 ohms	300 ohms
SWITCH	MagnaLock™ on/off	
WEIGHT	10.7 oz (304 g)	11.8 oz (335 g)
DIMENSIONS	7.28" (185.0 mm) long, 2.09" (53.1 mm) head diameter	7.56" (192.0 mm) long, 2.07" (52.6 mm) head diameter
OUTPUT CONNECTOR	Integral 3-pin XLRM-type	Integral 3-pin XLRM-type
CABLE	15.0' (4.5 m) cable with XLRF-type connector at microphone end, XLRM-type connector at equipment end	15.0' (4.5 m) cable with XLRF-type connector at microphone end, XLRM-type connector at equipment end
ACCESSORIES FURNISHED	AT8470 Quiet-Flex™ stand clamp for 5/8"-27 threaded stands; 3/8"-27 to 3/8"-16 threaded adapter; soft protective pouch	AT8470 Quiet-Flex™ stand clamp for 5/8"-27 threaded stands; 3/8"-27 to 3/8"-16 threaded adapter; soft protective pouch

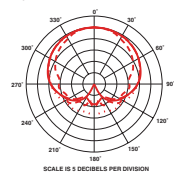
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- Hypercardioid polar pattern improves isolation of desired sound source
- Superior internal shock mounting reduces handling noise
- Hi-ENERGY® neodymium magnet for articulate vocal reproduction
- Two-stage ball-type headcase for superior “pop” protection
- Corrosion-resistant contacts from gold-plated XLRM-type connector

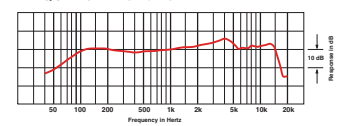
FREQUENCY RESPONSE



POLAR PATTERN



FREQUENCY RESPONSE



POLAR PATTERN



Clear, natural sound.

Tailored for clear, full-range reproduction of acoustic and amplified instruments, Pro Series instrument microphones are designed to meet the miking needs of sound engineers and musicians. These mics offer natural audio reproduction, low noise, and rugged, durable construction.

PRO 25ax Hypercardioid Dynamic Instrument Microphone

A natural in high-SPL applications, the PRO 25ax is tailored for kick drum, percussion, brass, and other highly dynamic instruments. It delivers a warm low-frequency response with excellent presence.

- Hypercardioid polar pattern improves isolation of desired sound source
- Superior off-axis rejection for maximum gain before feedback
- Versatile mounting options and effective dampening of mechanical noise thanks to included AT8471 isolation clamp
- Rugged design and construction for reliable performance



PRO 25ax Hypercardioid Dynamic Microphone

SPECIFICATIONS†

ELEMENT	Dynamic
POLAR PATTERN	Hypercardioid
FREQUENCY RESPONSE	30-12,000 Hz
OPEN CIRCUIT SENSITIVITY	-54 dB (1.9 mV) re 1V at 1 Pa*
IMPEDANCE	600 ohms
WEIGHT	8.1 oz (230 g)
DIMENSIONS	4.45" (113.0 mm) long, 1.97" (50.0 mm) maximum diameter
OUTPUT CONNECTOR	Integral 3-pin XLRM-type
ACCESSORIES FURNISHED	AT8471 isolation clamp for 5/8"-27 threaded stands; 3/8"-27 to 3/8"-16 threaded adapter; soft protective pouch

instrument

Included accessories



15' cable (XLR-F-XLR-M)
(PRO 63)



AT8470
QuietFlex™ stand clamp
(PRO 63)

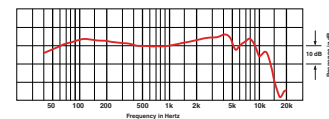


AT8471
isolation clamp
(PRO 25ax)

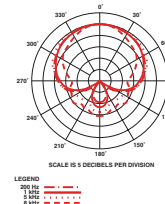


Protective pouch
(all instrument microphones)

FREQUENCY RESPONSE



POLAR PATTERN



PRO 35ax

Cardioid Condenser Clip-on Instrument Microphone

Designed for sax, toms, brass and percussion, the PRO 35ax excels in high-SPL applications and is ideal for active stage performances.

- UniMount® clip permits accurate positioning, provides shock resistance and protects element
- Cardioid polar pattern reduces pickup of sounds from the sides and rear, improving isolation of desired sound source
- Extended frequency response captures subtle nuances of the performance
- 6' (1.8 m) cable permanently attached between microphone and power module
- Corrosion-resistant contacts from gold-plated XLRM-type connector



PRO 35ax
Cardioid Condenser
Microphone



PRO 63
Cardioid Dynamic
Microphone

PRO 63

Cardioid Dynamic Microphone

Ideal for amplified and acoustic instrument pickup as well as for general use, the PRO 63 is tailored for natural, full-range reproduction. Tuned to make an impact, this mic clarifies the intensity of instruments, vocals and spoken words.

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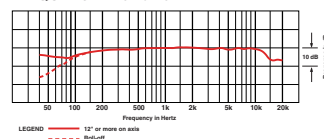
SPECIFICATIONS†

ELEMENT	PRO 35ax	PRO 63
POLAR PATTERN	Fixed-charge back plate permanently polarized condenser Cardioid	Dynamic Cardioid
FREQUENCY RESPONSE	50-15,000 Hz	70-16,000 Hz
LOW FREQUENCY ROLL-OFF	80 Hz, 12 dB/octave	
OPEN CIRCUIT SENSITIVITY	-45 dB (5.6 mV) re 1V at 1 Pa*	-55 dB (1.7 mV) re 1V at 1 Pa*
IMPEDANCE	250 ohms	300 ohms
MAXIMUM INPUT SOUND LEVEL	145 dB SPL, 1kHz at 1% T.H.D.	
DYNAMIC RANGE (typical)	115 dB, 1kHz at Max SPL	
SIGNAL-TO-NOISE RATIO†	64 dB, 1 kHz at 1 Pa*	
PHANTOM POWER REQUIREMENTS	11-52V DC, 4 mA typical	
SWITCH	Flat, roll-off	
WEIGHT (mic/power module)	0.3 oz (8 g) / 2.0 oz (56 g)	10.9 oz (309 g)
DIMENSIONS (microphone/power module)	0.98" (25.0 mm) long, 0.40" (10.2 mm) diameter / 3.86" (98.0 mm) long, 0.74" (18.9 mm) diameter	7.17" (182.1 mm) long, 1.63" (41.4 mm) head diameter
OUTPUT CONNECTOR	Integral 3-pin XLRM-type (on power module)	Integral 3-pin XLRM-type
CABLE	6' (1.8 m), permanently attached between microphone and power module	15.0' (4.5 m) cable with XLRF-type connector at microphone end, XLRM-type connector at equipment end
ACCESSORIES FURNISHED	AT8418 UniMount® microphone instrument mount; AT8536 power module; soft protective pouch	AT8470 Quiet-Flex™ stand clamp for 5/8"-27 threaded stands; 3/8"-27 to 3/8"-16 threaded adapter; soft protective pouch

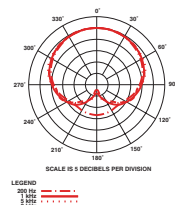
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- Cardioid polar pattern reduces pickup of sounds from the sides and rear, improving isolation of desired sound source
- Hi-ENERGY® neodymium magnet for improved output and transient response
- Two-stage ball-type headcase for superior "pop" protection
- Corrosion-resistant contacts from gold-plated XLRM-type connector
- Rugged design and construction for reliable performance

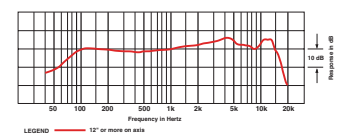
FREQUENCY RESPONSE



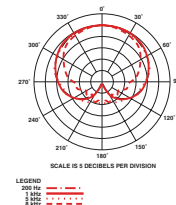
POLAR PATTERN



FREQUENCY RESPONSE



POLAR PATTERN



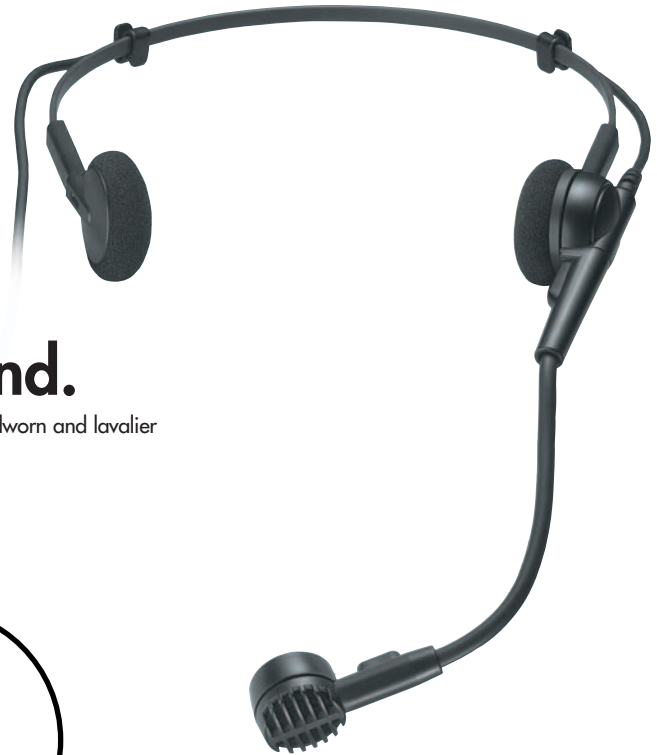
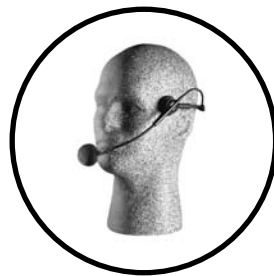
Freedom from the mic stand.

Lightweight, low-visibility, high-performance, hands-free solutions. Pro Series headworn and lavalier microphones are engineered for maximum convenience during performance.

PRO 8HEx Hypercardioid Dynamic Headworn Microphone

Offering highly intelligible individual voice reproduction, the comfortable, lightweight PRO 8HEx is ideal for guitarists, keyboard players, drummers and others who need the use of their hands during performance. Its low-visibility headband and cushioned support pads provide a stable, comfortable fit.

- Designed for professional quality vocal pickup with hands-free operation
- Pivot-mounted flexible mic boom descends from left or right side
- Ideal for guitarists, keyboard players, drummers and others who need the use of their hands during performance
- Hypercardioid polar pattern improves isolation of desired sound source
- Hi-ENERGY® neodymium element for articulate vocal reproduction
- Also available as: PRO 8HEcW terminated for A-T UniPak™ wireless systems



PRO 8HEx Cardioid Condenser Microphone

SPECIFICATIONS†

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

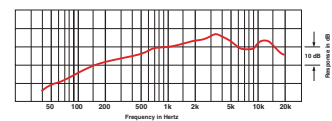
headworn

PRO 8HEx included accessories (AT8439 clothing clip not shown)

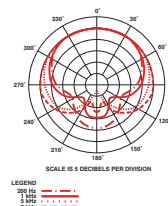


large and small windscreens

FREQUENCY RESPONSE



POLAR PATTERN



PRO70

Cardioid Condenser Lavalier/Instrument Microphone

This miniature condenser microphone is ideal for both vocal and acoustic guitar applications (clothing clip and guitar mount included). It achieves articulate, full-sounding pickup regardless of acoustic constraints. Known for outstanding consistency and dependable performance, the **PRO70** is designed to make music and speech clearly and comfortably audible, yet never draw attention to itself or its operation.

- Natural and articulate vocal reproduction when used as a clip-on lavalier
- Excels in pickup of acoustic guitar with included guitar mount
- Cardioid polar pattern reduces pickup of sounds from the sides and rear, improving isolation of desired sound source
- Switchable low-frequency roll-off
- 6' (1.8 m) cable permanently attached between microphone and power module
- Corrosion-resistant contacts from gold-plated XLRM-type connector
- Operates on battery or phantom power



PRO70 Cardioid Condenser Microphone

SPECIFICATIONS†

ELEMENT	Fixed-charge back plate permanently polarized condenser
POLAR PATTERN	Cardioid
FREQUENCY RESPONSE	100-14,000 Hz
LOW FREQUENCY ROLL-OFF	80 Hz, 8 dB/octave
OPEN CIRCUIT SENSITIVITY (phantom/battery)	-45 dB (5.6 mV)/-45 dB (5.6 mV) re 1V at 1 Pa*
IMPEDANCE (phantom/battery)	200 ohms/200 ohms
MAXIMUM INPUT SOUND LEVEL (phantom/battery)	123 dB/123 dB SPL, 1kHz at 1% T.H.D.
DYNAMIC RANGE (phantom/battery) typical	96 dB/96 dB SPL, 1kHz at Max SPL
SIGNAL-TO-NOISE RATIO ¹	67 dB, 1 kHz at 1 Pa*
PHANTOM POWER REQUIREMENTS	11-52V DC, 2 mA typical
BATTERY TYPE/CURRENT/LIFE	1.5V AA / 0.4 mA / 1200 hours typical (alkaline)
SWITCH	Off, on-flat, on-roll-off
WEIGHT (microphone/power module)	0.3 oz (8 g) / 4.7 oz (134 g)
DIMENSIONS (microphone/power module)	0.98" (25.0 mm) long, 0.40" (10.2 mm) diameter / 3.27" (83.0 mm) H x 2.48" (63.0 mm) W x 0.87" (22.0 mm) D
OUTPUT CONNECTOR (power module)	Integral 3-pin XLRM-type
CABLE	6' (1.8 m), permanently attached between microphone and power module
ACCESSORIES FURNISHED	AT8411 clothing clip; AT8444 instrument adapter; power module; windscreen; battery; soft protective pouch

lavalier

PRO70 included accessories (also includes battery, power module, and windscreen not shown)



AT8444
instrument adapter

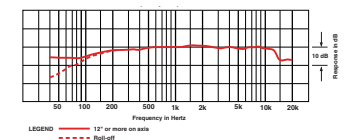


AT8411
clothing clip

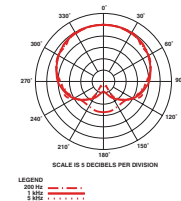


Protective pouch

FREQUENCY RESPONSE



POLAR PATTERN



Stereo & studio versatility.

Capture the true sound. Pro Series advanced, affordable condenser technology makes it happen.

PRO 24

Stereo Condenser Microphone

The **PRO 24** sets a new price/performance standard in stereo microphone technology. Designed for professional recording and DAT field use, it offers the convenience of affordable, high-quality stereo pickup in a single microphone. Like all Audio-Technica mics, the **PRO 24** is rugged; it's built to endure the rigors of field production.

- Compact, lightweight design is perfect for camera-mount use
- Pair of cardioid elements in X-Y configuration provides the spatial impact and realism of a live sound field
- Professional condenser circuitry ensures excellent sound quality
- Battery-free operation when used with recording devices that provide plug-in power at the mic input
- On/off switch for convenient operation



PRO 24 Stereo Condenser Microphone

SPECIFICATIONS†

ELEMENTS	Fixed-charge back plate permanently polarized condenser
POLAR PATTERN	X/Y Stereo
FREQUENCY RESPONSE	100-17,000 Hz
OPEN CIRCUIT SENSITIVITY	-50 dB (3.1 mV) re 1V at 1 Pa*
IMPEDANCE	600 ohms
MAXIMUM INPUT SOUND LEVEL	119 dB SPL, 1 kHz at 1% T.H.D.
DYNAMIC RANGE (typical)	82 dB, 1 kHz at Max SPL
SIGNAL-TO-NOISE-RATIO†	57 dB, 1 kHz at 1 Pa*
POWER REQUIREMENTS	2-10V DC plug-in power
BATTERY TYPE / CURRENT / LIFE	1.5V LR44 / 0.6 mA / 200 hours typical
SWITCH	On/off
WEIGHT	3.9 oz (111 g)
DIMENSIONS	4.59" (116.5 mm) long, 0.83" (21.0 mm) maximum body diameter
OUTPUT CONNECTOR	3.5 mm stereo mini plug on cable
CABLE	Permanently attached 6' (1.8 m) cable with 3.5 mm stereo plug at output end
ACCESSORIES FURNISHED	AT8405a stand clamp for 5/8"-27 threaded stands; 5/8"-27 to 3/8"-16 threaded adapter; LR44 battery; windscreen; soft protective pouch

stereo

PRO 24 included accessories



Windscreen



Battery

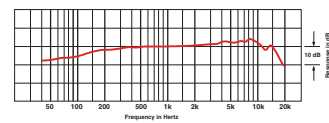


AT8405a
stand clamp

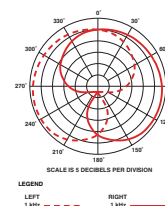


Protective pouch

FREQUENCY RESPONSE



POLAR PATTERN



PRO 37
Small-diaphragm Cardioid
Condenser Microphone

The **PRO 37** has established itself as a versatile solution for studio recording and live performance. With a low-mass element for superb transient response, this mic excels in high-SPL applications.

- Professional performance for studio recording and live sound reinforcement
- Low-profile design for optimal mic placement
- Corrosion-resistant contacts from gold-plated XLRM-type connector
- Rugged design and construction for reliable performance
- Cardioid polar pattern reduces pickup of sounds from the sides and rear, improving isolation of desired sound source



PRO 37
Cardioid Condenser
Microphone

SPECIFICATIONS¹

ELEMENT	Fixed-charge back plate permanently polarized condenser
POLAR PATTERN	Cardioid
FREQUENCY RESPONSE	30-15,000 Hz
OPEN CIRCUIT SENSITIVITY	-42 dB (7.9 mV) re 1V at 1 Pa*
IMPEDANCE	200 ohms
MAXIMUM INPUT SOUND LEVEL	141 dB SPL, 1 kHz at 1% T.H.D.
DYNAMIC RANGE (typical)	112 dB, 1 kHz at Max SPL
SIGNAL-TO-NOISE RATIO¹	65 dB, 1 kHz at 1 Pa*
PHANTOM POWER REQUIREMENTS	11-52V DC, 2 mA typical
WEIGHT	1.7 oz (49 g)
DIMENSIONS	3.9" (99.0 mm) long, 0.83" (21.0 mm) maximum body 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; windscreen; soft protective pouch

studio

PRO 37 included accessories



Windscreen

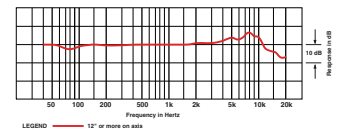


AT8405a stand clamp

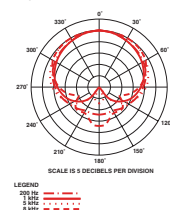


Protective pouch

FREQUENCY RESPONSE



POLAR PATTERN

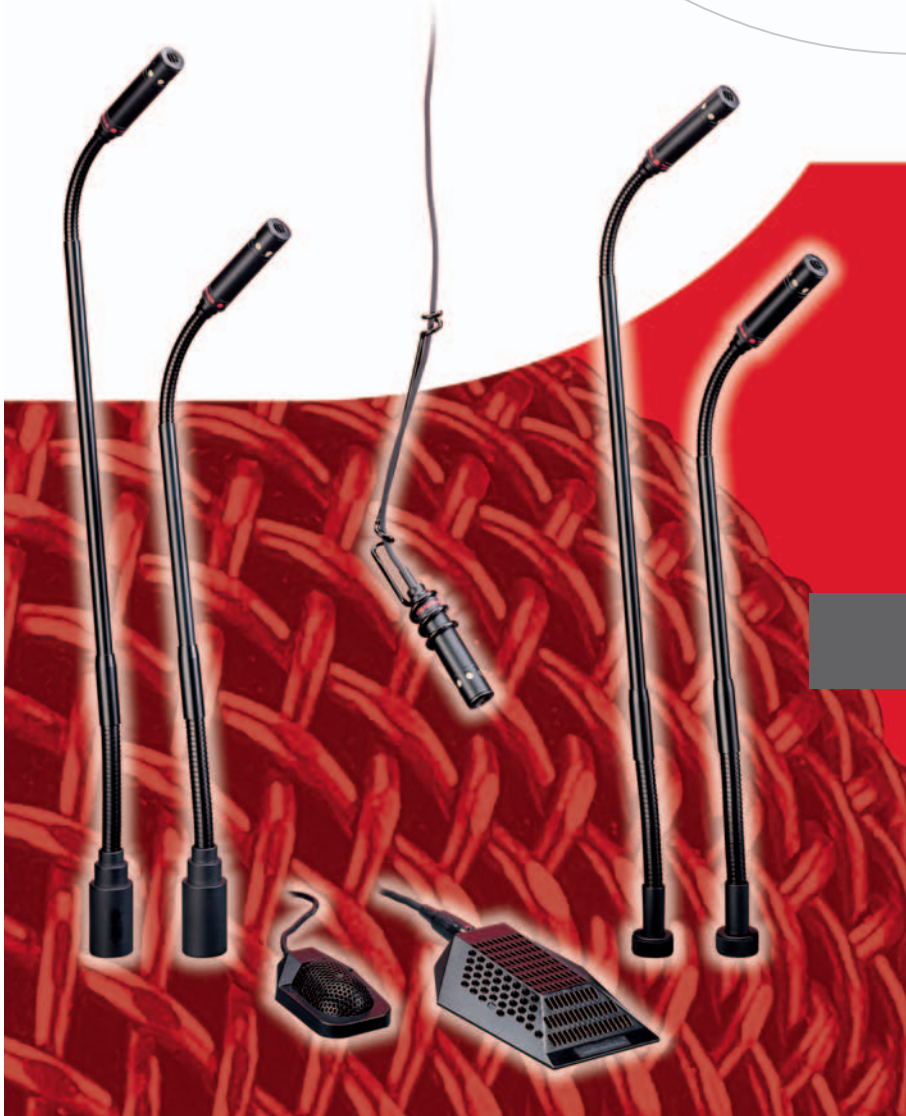


PROPOINT®

Installed-sound microphones.

Crisp, intelligible audio reproduction.

Designed for sound reinforcement, broadcasting and recording, ProPoint miniature condenser microphones bring crisp, intelligible audio reproduction to the podium, stage, conference table and beyond. These pro-audio boundary, hanging and gooseneck microphones are engineered to meet every sound-installation challenge. ProPoint microphones make speech and music clearly and comfortably audible, yet never draw attention to themselves or their operation. With sleek, compact designs, they offer low-profile appearance, uncompromising sound quality and versatile miking choices for every application.



PRO 47T & PRO 47TL **Cardioid Condenser Thread-mount** **Gooseneck Microphones**

The **PRO 47T** and **PRO 47TL** cardioid condenser gooseneck microphones are ideal for boardroom, school, government, house-of-worship and other installed applications. Equipped with a convenient thread-mount base, each microphone will attach to any $\frac{5}{8}$ " - 27 stand.

(continued below)

gooseneck

(continued from above)

- **Wide-range condenser element with low-mass diaphragm for superior performance**
- **Direct mounts to any $\frac{5}{8}$ " - 27 stand, or to included threaded mounting stud**
- **Self-contained electronics eliminate need for external power modules**
- **Flat, smooth frequency response**
- **Quiet, flexible, long-life gooseneck**
- **9.8' (3.0 m) cable permanently attached between microphone and XLRM-type connector**
- **Available in two lengths: 12.40" (PRO 47T) and 15.79" (PRO 47TL)**

PRO 49Q & PRO 49QL
Cardioid Condenser Quick-mount
Gooseneck Microphones

The **PRO 49Q** and **PRO 49QL** quick-mount cardioid condenser gooseneck microphones are designed to plug into any standard XLR-type surface or cable connector.

- Wide-range condenser element with low-mass diaphragm for superior performance
- Self-contained electronics eliminate need for external power modules
- Flat, smooth frequency response
- Quiet, flexible, long-life gooseneck
- Available in two lengths: 13.07" (**PRO 49Q**) and 16.46" (**PRO 49QL**)



PRO 47T & PRO 47TL
Thread-mount Cardioid
Condenser Microphones

PRO 49Q & PRO 49QL
Quick-mount Cardioid
Condenser Microphones

SPECIFICATIONS†

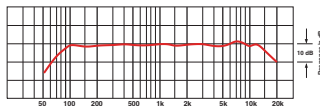
ELEMENT	Fixed-charge back plate permanently polarized condenser	Fixed-charge back plate permanently polarized condenser
POLAR PATTERN	Cardioid	Cardioid
FREQUENCY RESPONSE	70-16,000 Hz	70-16,000 Hz
OPEN CIRCUIT SENSITIVITY	-37 dB (14.1 mV) re 1V at 1 Pa*	-37 dB (14.1 mV) re 1V at 1 Pa*
IMPEDANCE	100 ohms	100 ohms
MAXIMUM INPUT SOUND LEVEL	134 dB SPL, 1kHz at 1% T.H.D.	134 dB SPL, 1kHz at 1% T.H.D.
DYNAMIC RANGE (typical)	106 dB, 1kHz at Max SPL	106 dB, 1kHz at Max SPL
SIGNAL-TO-NOISE RATIO¹	66 dB, 1 kHz at 1 Pa*	66 dB, 1 kHz at 1 Pa*
PHANTOM POWER REQUIREMENTS	9-52V DC, 2 mA typical	9-52V DC, 2 mA typical
WEIGHT	PRO 47T: 2.2 oz (63 g) PRO 47TL: 2.4 oz (67 g)	PRO 49Q: 2.8 oz (80 g) PRO 49QL: 3.0 oz (84 g)
DIMENSIONS	PRO 47T: 12.40" (315.0 mm) long PRO 47TL: 15.79" (401.0 mm) long Both: 0.47" (12.0 mm) head diameter	PRO 49Q: 13.07" (332.0 mm) long PRO 49QL: 16.46" (418.0 mm) long Both: 0.47" (12.0 mm) head diameter, 0.74" (18.9 mm) base diameter
OUTPUT CONNECTOR	3-pin XLRM-type on cable	Integral 3-pin XLRM-type
CABLE	9.8' (3.0 m) long, permanently attached	
ACCESSORIES FURNISHED	AT8146 windscreen; AT8425 5/8"-27 threaded mounting stud	AT8146 windscreen

PRO 49Q and PRO 49QL included accessories



AT8146 windscreen

FREQUENCY RESPONSE



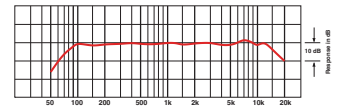
LEGEND: — 12" or more on axis

POLAR PATTERN



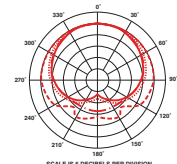
LEGEND: — 70 Hz
— 1 kHz
— 5 kHz
— 10 kHz

FREQUENCY RESPONSE



LEGEND: — 12" or more on axis

POLAR PATTERN



LEGEND: — 70 Hz
— 1 kHz
— 5 kHz
— 10 kHz

Big sound. Small presence.

Low-profile ProPoint hanging and boundary microphones deliver accurate, natural sound.

PRO 45 & PRO 45W Cardioid Condenser Hanging Microphones

With robust construction and unobtrusive appearance, the **PRO 45** and **PRO 45W** offer versatile solutions for speech, theater, orchestra and choir sound reinforcement and recording.

- High-SPL handling is perfect for suspension over choirs and orchestras
- Wide-range condenser element with low-mass diaphragm for superior performance
- Self-contained electronics eliminate need for external power modules
- Flat, smooth frequency response
- 25' (7.6 m) cable permanently attached between microphone and XLRM-type connector
- Available in two colors: Black (**PRO 45**) and white (**PRO 45W**)



PRO 45 & PRO 45W Cardioid Condenser Microphones

SPECIFICATIONS†

ELEMENT	Fixed-charge back plate permanently polarized condenser
POLAR PATTERN	Cardioid
FREQUENCY RESPONSE	70-16,000 Hz
OPEN CIRCUIT SENSITIVITY	-37 dB (14.1 mV) re 1V at 1 Pa*
IMPEDANCE	100 ohms
MAXIMUM INPUT SOUND LEVEL	134 dB SPL, 1 kHz at 1% T.H.D.
DYNAMIC RANGE (typical)	106 dB, 1 kHz at Max SPL
SIGNAL-TO-NOISE RATIO†	66 dB, 1 kHz at 1 Pa*
PHANTOM POWER REQUIREMENTS	9-52V DC, 2 mA typical
WEIGHT	0.5 oz (15 g)
DIMENSIONS	2.24" (56.9 mm) long, 0.47" (12.0 mm) head diameter
OUTPUT CONNECTOR	3-pin XLRM-type on cable
CABLE	25' (7.6 m) long, permanently attached
ACCESSORIES FURNISHED	AT8146 windscreen; steel hanger

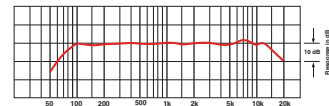
hanging

PRO 45 and PRO 45W included accessories (steel hanger shown above)



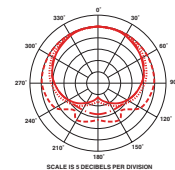
AT8146 windscreen

FREQUENCY RESPONSE



LEGEND — 12" or more on axis

POLAR PATTERN



SCALE IS 5 DECIBELS PER DIVISION
LEGEND — 12" or more on axis

PRO 42

Miniature Cardioid Condenser Boundary Microphone

The **PRO 42**'s low-profile design assures inconspicuous appearance for use in boardroom, school, government, house-of-worship and other surface-mount applications.

- Very low-profile design for minimum visibility
- Wide-range condenser element with low-mass diaphragm for superior performance
- Uniform polar pattern for maximum rejection of unwanted sounds
- Self-contained electronics eliminate need for external power modules
- Rugged design and construction
- 25' (7.6 m) cable permanently attached between microphone and XLRM-type connector



PRO 44

Cardioid Condenser Boundary Microphone

With its half-space cardioid polar pattern, low-profile design, and outstanding sound quality, the **PRO 44** is ideal for conference tables, podiums, lecterns and other installed-sound uses.

(continued below)



PRO 42 Cardioid Condenser Microphone

PRO 44 Cardioid Condenser Microphone

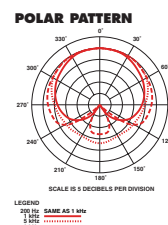
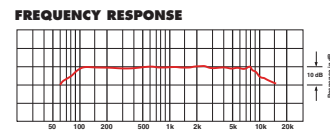
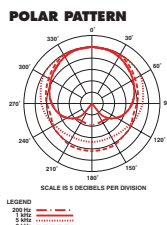
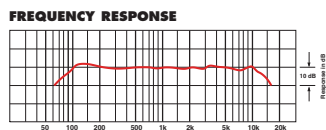
SPECIFICATIONS†

ELEMENT	PRO 42	PRO 44
POLAR PATTERN	Fixed-charge back plate permanently polarized condenser Half-cardioid (cardioid in hemisphere above mounting surface)	Fixed-charge back plate permanently polarized condenser Half-cardioid (cardioid in hemisphere above mounting surface)
FREQUENCY RESPONSE	70-14,000 Hz	70-16,000 Hz
OPEN CIRCUIT SENSITIVITY	-38 dB (12.5 mV) re 1V at 1 Pa*	-25 dB (56.2 mV) re 1V at 1 Pa*
IMPEDANCE	100 ohms	100 ohms
MAXIMUM INPUT SOUND LEVEL	134 dB SPL, 1kHz at 1% T.H.D.	114 dB SPL, 1kHz at 1% T.H.D.
DYNAMIC RANGE (typical)	105 dB, 1kHz at Max SPL	86 dB, 1kHz at Max SPL
SIGNAL-TO-NOISE RATIO†	65 dB, 1 kHz at 1 Pa*	66 dB, 1 kHz at 1 Pa*
PHANTOM POWER REQUIREMENTS	9-52V DC, 2 mA typical	9-52V DC, 2 mA typical
WEIGHT	1.2 oz (35 g)	2.4 oz (67 g)
DIMENSIONS	1.44" (36.6 mm) maximum width, 2.14" (54.3 mm) maximum length, 0.61" (15.5 mm) height	2.87" (73.0 mm) maximum width, 3.56" (90.5 mm) maximum length, 0.59" (15.0 mm) height
OUTPUT CONNECTOR	3-pin XLRM-type on cable	TB3M-type
CABLE	25' (7.6 m) long, permanently attached	25' (7.6 m) long, with TA3F and XLRM-type connectors

boundary

(continued from above)

- Low profile for minimum visibility
- Wide-range condenser element with low-mass diaphragm for superior performance
- Self-contained electronics eliminate need for external power modules
- Rugged design and construction
- 25' (7.6 m) detachable cable (TA3F to XLRM-type)





Specifications Legend

† 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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