PRO 92cW & PRO 92cW-TH

Omnidirectional Condenser Wireless Headworn Microphones

Features

- **Designed for lecturers, presenters, houses of worship and other applications requiring clear, articulate vocal reproduction**
- **Flexible, contoured loop hooks over either ear for a comfortable fit**
- **Natural, smooth frequency response optimized for vocal reproduction**
- **Rugged construction designed to meet the challenges of day-to-day use**
- **Offered in black and beige (-TH) models**
- **Terminated for use with all Audio-Technica UniPak® wireless systems**

Description

The PRO 92cW is a headworn condenser microphone with an omnidirectional polar pattern. It is designed to provide articulate vocal reproduction for lecturers, presenters and houses of worship.

The microphone includes a 1.4 m (55") permanently attached miniature cable. Its free end terminates in a locking 4-pin connector for use with Audio-Technica UniPak® body-pack transmitters.

The microphone comes equipped with a windscreen, a cable clip and a carrying pouch. The microphone is available in black and beige.

Operation and Maintenance

The flexible design of the PRO 92cW enables it to be worn on either the left or right ear. Position the lightweight contoured earpiece around your ear, so that the boom extends from the top of your ear. Remove the PRO 92cW and bend a gentle curve in the microphone's boom to follow the contour of your face. Again, hook the earpiece around your ear, adjusting the earpiece and boom as needed to achieve a secure, comfortable fit, so that the microphone is not dislodged by shaking your head.

A cable clip is provided for strain relief, allowing the microphone to remain securely in place without the weight of the cable pulling on the headset. To install the cable clip, slip the cable into the snap-on connector and attach the clip to clothing, leaving enough slack on the microphone side of the clip to allow for free, comfortable motion.

Avoid leaving the microphone in the open sun or in areas where temperatures exceed 110° F (43° C) for extended periods. Extremely high humidity should also be avoided.

Architect's and Engineer's Specifications

The microphone shall be a fixed-charge condenser designed for headworn use. It shall have an omnidirectional polar pattern and a frequency response of 20 Hz to 20,000 Hz. It shall be capable of handling sound input levels up to 116 dB. Nominal open-circuit output voltage shall be 5.6 mV at 1V, 1 Pascal.

The microphone shall have a 1.4 m (55") permanently attached miniature cable terminating in a locking 4-pin output connector for use with Audio-Technica UniPak® body-pack transmitters.

The microphone shall be a headworn design with an element diameter of 9.2 mm (0.36"). Microphone and boom weight shall be 4 grams (0.14 oz). The microphone shall include a cable clip, a windscreen and a carrying pouch. Finish shall be black [beige].

The Audio-Technica PRO 92cW [PRO 92cW-TH] is specified.

Specifications

Element	Condenser
Polar pattern	Omnidirectional
Frequency response	20-20,000 Hz
Open circuit sensitivity	–45 dB (5.6 mV) re 1V at 1 Pa
Maximum input sound level	116 dB SPL, 1 kHz at 1% T.H.D.
Signal-to-noise ratio[1]	60 dB, 1 kHz at 1 Pa
Current Consumption	0.3 mA typical at 5V
Voltage Range	1.5-9V
Weight	Microphone & boom: 4 g (0.14 oz) Microphone, boom, connector & cable: 24 g (0.84 oz)
Dimensions	Microphone: 21.7 mm (0.85") long, 9.2 mm (0.36") diameter Boom: 110.0 mm (4.33") long, 2.4 mm (0.09") boom diameter
Cable	1.4 m (55") terminated with locking 4-pin connector for use with A-T UniPak® body-pack transmitters
Audio-Technica case style	M38
Accessories furnished	AT8442 cable clip; AT8158 windscreen; carrying pouch

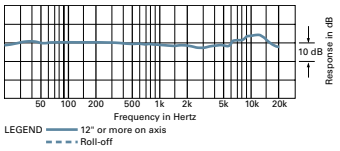
In the interest of standards development, A.T.U.S. offers full details on its test methods to other industry professionals on request.

1 Pascal = 10 dynes/cm^2 = 10 microbars = 94 dB SPL

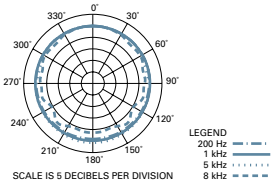
[1] Typical, A-weighted, using Audio Precision System One.

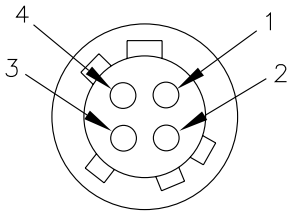
Specifications are subject to change without notice.

frequency response: 20–20,000 Hz



polar pattern





cW, cW-TH

	Function
Pin 1	Ground/Shield
Pin 2	Instrument
Pin 3	Mic Audio
Pin 4	Bias + In

audio-technica

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