



PRO 23 Cardioid Dynamic Instrument Microphone



PRO Series

Features

- Excels on snare and toms
- Road-ready all-metal construction
- Low-profile percussion-style design
- Built-in adjustable stand mount

Description

The PRO 23 is a cardioid instrument microphone featuring a low-profile design for minimum visibility and versatile placement options.

Tailored for snare, toms and other highly dynamic instruments, the PRO 23 offers a moving coil dynamic design with cardioid polar pattern, delivering superior off-axis rejection for maximum gain before feedback. With a frequency response of 100-12,000 Hz, the mic is engineered to handle fast transients and high SPLs.

The output of the microphone is a 3-pin XLRM-type connector.

The microphone is enclosed in a rugged housing and is outfitted with an integral 5/8"-27 threaded stand clamp. The included AT8665 drum mount screws into the stand clamp to permit mounting of the PRO 23 to the rim of a drum. A soft protective pouch is also included.

Operation and Maintenance

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.

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.

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.

Specifications

Element	Dynamic
Polar pattern	Cardioid
Frequency response	100-12,000 Hz
Open circuit sensitivity	-58 dB (1.2 mV) re 1V at 1 Pa
Impedance	500 ohms
Weight	11.4 oz (324 g)
Dimensions	4.46" (113.2 mm) long, 1.63" (41.5 mm) head diameter
Output connector	Integral 3-pin XLRM-type
Audio-Technica case style	R2
Accessories furnished	AT8665 drum mount for 5/8"-27 threaded adapter; 5/8"-27 to 3/8"-16 threaded adapter; soft protective pouch

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

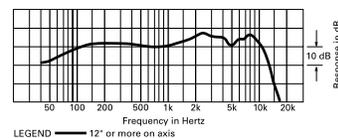
1 Pascal = 10 dynes/cm² = 10 microbars = 94 dB SPL

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

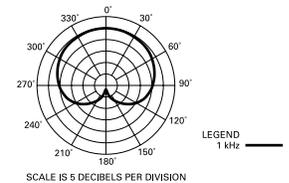
Specifications are subject to change without notice.



frequency response: 100–12,000 Hz



polar pattern



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