

# S12

# HYPERCARDIOID MICROPHONE

## **SAMSON AUDIO**



The Samson S12 is a professional dynamic microphone which is specially designed for use in live performance and public address environments where unwanted ambient sound is occurring from many different directions. Its dynamic design enables it to tolerate high sound pressure levels (SPLs) such as those generated by drums and amplified instruments, and its tight hypercardioid pattern ensures maximum feedback rejection while delivering a strong, crisp signal from the audio source directly in front of the mic capsule.

- Full range frequency response allows natural reproduction of all audio sources.
- Tight hypercardioid polar pattern minimizes feedback problems.
- High energy rare earth Neodymium element delivers high output and 6 dB of noiseless gain.
- Rugged dynamic capsule enables usage with high sound pressure level signals (such as drums and amplified instruments).
- Low impedance 600 ohm output enables strong, full bandwidth signal to be sent over long cable runs.
- Lightweight and compact, the S12 can be easily handheld for long periods without inducing fatigue.
- Mic-clip included.

Contact:

**ARCHITECT'S & ENGINEER'S  
SPECIFICATION**

The microphone shall be of a dynamic type with hypercardioid polar pattern. The microphone shall provide its output on a male XLR-type connector. Output impedance shall be 600 ohms  $\pm$ 30%.

The microphone shall contain a high-output Neodymium element with 6 dB of noiseless gain. The microphone shall have frequency response from 60 Hz to 18 kHz, sensitivity of -70 dB  $\pm$  3 dB, and a maximum input level of 130 dB SPL. Dimensions shall be 2" (51.5 mm) head length, 4.75" (120.5 mm) main unit length and 6.75" (172 mm) total length. Weight shall be 8.7 oz. (250 g). The microphone shall carry a three-year warranty.

The microphone shall be a SAMSON S12.

**S12 SPECIFICATIONS**

Type:	Dynamic
Polar pattern:	Hypercardioid
Frequency response:	60 Hz - 18 kHz
Sensitivity (0 dB = 1 V / 94 dB SPL@ 1 kHz):	-70 dB $\pm$ 3 dB
Max. input level (1 kHz, < 0.5% noise ratio):	130 dB SPL
Output impedance (@ 1 kHz):	600 $\Omega$ $\pm$ 30%
Connector:	3-pin XLR male
<b>Dimensions</b>	
Head length:	2" / 51.5 mm
Main unit length:	4.75" / 120 mm
Total length:	6.75" / 172 mm
Weight:	8.7 oz. / 250 g

