

U 87 A

VARIABLE PATTERN MICROPHONE

The U 87 has been the standard of the recording industry since 1967. This microphone is famous for its warm sound and well balanced characteristics. The current U 87 A yields a 6dB improvement in signal-to-noise over its predecessor. It is equipped with a LF roll-off switch to reduce proximity effect and a 10dB pad.

Used extensively for vocals and orchestras, the U 87 A is also particularly suited for cello, brass, piano, and percussion.

U87a is sold individually or in configurations mated with popular accessories for stand mounting.



Directional patterns	Omni, Cardioid, Figure 8	
Acoustic operating principle	Pressure Gradient Transducer	
Frequency range	Hz	20 - 20,000
Sensitivity ¹⁾	mV/Pa	22/28/20
Rated impedance	ohms	200
Equivalent loudness level due to inherent noise		
DIN 45 405 CCIR 468-3	dB	26/23/25
DIN/IEC 651	dB-A	15/12/14
S/N ratio re 1 Pa at 1 kHz		
CCIR	dB	68/71/69
A-weighted	dB-A	79/82/80
Max. SPL for less than 0.5% THD ²⁾		
without preattenuation	dB	117
with preattenuation	dB	127
Total dynamic range of the microphone amplifier ³⁾	dB	115
Power consumption ⁴⁾	mA	0.8
Weight	g	500
Dimensions		
diameter	mm	56
length	mm	200

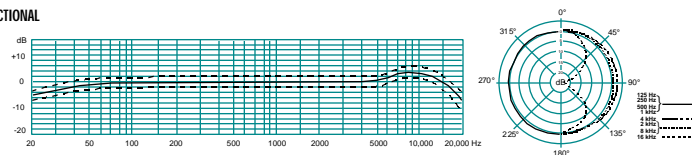
¹⁾ 1 Pa = 94 dB SPL, at 1kHz into 1 k ohm load impedance

²⁾ THD of the microphone amplifier when an input level equivalent to the capsule output at the specified SPL is applied

³⁾ Referred to DIN/IEC 651 A-weighted equivalent loudness level

⁴⁾ All microphones are 48 V ±4 V phantom powered (P 48 according to DIN 45596/IEC 8 15)

OMNIDIRECTIONAL



CARDIOID

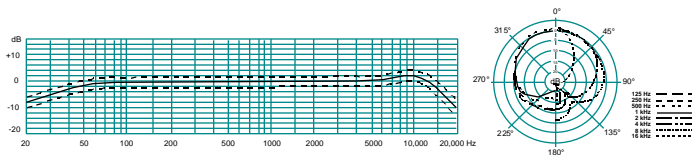


FIGURE 8

