

UM 92.1 S

Tube-Condenser Microphone with switchable polar pattern



The UM 92.1 S studio microphone features our classic M 7 capsule which is renowned for its sound quality. This pressure gradient transducer uses two large diameter gold-plated plastic diaphragms.

The capsules are selected for optimum polar response.

Three directional characteristics (omni, cardioid and figure 8) can be selected with a pattern selector switch integrated into the power supply.

This vacuum tube microphone has a remarkable signal-to-noise ratio and high sensitivity. The UM 92.1 S has the typical full-bodied sound of tube microphones that are preferred by vocalists and soloists.

The direction of maximum sensitivity is perpendicular to the microphone's axis (side addressed).

The vacuum tube preamplifier is a well-established design equipped with a pentode working as high μ triode selected for its sonic characteristics.

The UN 920.1 power supply provides the polarization voltage for the capsule and the necessary DC voltages for the microphone's preamplifier. For cable lengths over 50 meters it is recommended to have your service provider set the heater voltage of the power supply to 5.8 volts. The UN 920.1 can be powered from AC mains with a primary voltage of 115 or 230 volts / 50 or 60 Hz.

The pattern selector switch and the on/off-switch are located on the front panel. The AC mains connector (with choice of voltage), the 7-pin Tuchel connector that powers the microphone and the standard 3-pin XLR connector for audio output are located on the rear panel.

The microphone is available in a satin nickel or a black matt finish.

Delivery

Tube-microphone UM 92.1 S in wooden case L x B x H 275 x 90 x 70 mm

Power supply N 920.1

Connection cable C 92.1

Elastic suspension EA 92

Windscreen W 92, anthracite

satin nickel

Order-No. 211136

black matt

Order-No. 211137

Accessories, optional

Popscreen, black

PO 70

Order-No. 600018

Microphone holder, satin nickel

MH 80

Order-No. 202320

Microphone holder, black matt

MH 80

Order-No. 202321

Connection cable with swivel mount

C 92.1 S

Order-No. 202206

Suitcase, aluminium

Case 1

Order-No. 702005



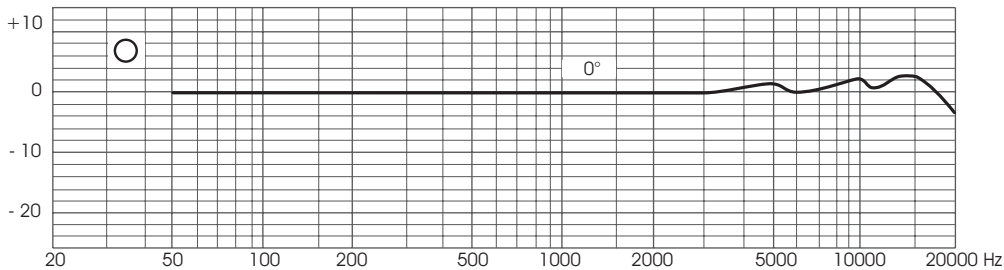
Technical Data UM 92.1 S

CE Certificate

Tube-condenser microphone

Polar pattern	omni, cardioid, fig/8	
Acoustical operating principle	Pressure gradient transducer	
Frequency range	40 ... 18000 Hz	
Sensitivity at 1 kHz	15 mV/Pa	
Rated impedance	200 Ω	
Equivalent loudness level due to inherent noise	CCIR 468-4 (qps)	25 dB
	DIN EN 60 651	17 dB - A
Signal-to-noise ratio (re 1 Pa at 1 kHz)	CCIR-weighted	69 dB
	A-weighted	77 dB
Max. SPL for THD 0,5 %	120 dB	
Total dynamic range of the microphone preamplifier	103 dB	
DC power supply	120 V-	
Anode current	1 mA-	
Heater voltage	5,8 V-	
Heater current	200 mA-	
Tube	EF 86	
Output connector	7-pin Tuchel C 70/A	
Weight	430 g	
Dimensions (L x Ø)	197 mm x 42 mm	

dB Frequency responses UM 92.1 S



Polar patterns

