



# S241/U3

## Condenser Microphone Specification Sheet

### 1/2" Gold-evaporated Diaphragm

#### Description

The S241/U3 is a true capacitor condenser microphone with a 1/2" gold-evaporated diaphragm. Its excellent performance is based on its top quality professional craftsmanship together with the exchangeable capsule modules and microphone preamplifier. This makes the S241/U3 greatly appreciated by audio engineers, especially for studio projects. The slight high-end elevation in frequency response makes it an ideal mic for capturing signals rich in transients such as those of acoustic guitars, snare drums and hi-hats. It is also suitable for the overhead miking of drum kits. The tailored frequency response of the S241/U3 eliminates the need for an EQ on these instruments. All these characteristics make it a standard for any audio professional.

The S241/U3 has also benefited from the latest electronic technology such as machine soldering and surface-mount components. These innovations greatly decrease self noise and make the microphone more reliable.

The S241/U3 has an attractive and durable gray finish and the brand name and all other marks are handsomely engraved into the body of the microphone, giving it a truly professional appearance.

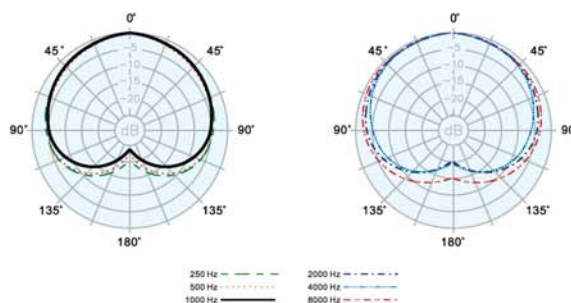


#### Specifications

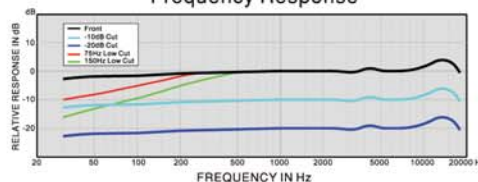
Type:	Condenser microphone
Element:	Pressure gradient, FET preamplifier
Polar pattern:	Cardioid
Frequency response:	20~20,000Hz
Sensitivity:	-35dBV/Pa (17.8 mV/Pa)*
Rated impedance:	200Ω
Min. loaded impedance:	1000Ω
Equivalent noise level:	16dB
Signal-to-noise ratio: #	78dB
Max. SPL:	143dB (T.H.D. ≤1% 1,000Hz)
Dynamic range:	112dB
Power supply:	48V±4V phantom power
Current drain:	3mA
Output connector:	Integral 3-pin XLR-Male type
Dimension:	Φ22x155mm (0.87"x6.11")
Net weight:	220g (7.76oz)

\* 1Pa=10 microbars=94dB SPL  
# A weighted

#### Polar Pattern



#### Frequency Response



#### Features

- ▶ Gold-evaporated diaphragm with diameter of 1/2" and thickness of 3μm.
- ▶ Flat and extended frequency response.
- ▶ High gain before feedback.
- ▶ External 0dB, -10dB and -20dB sensitivity attenuation pad. (Fig. 1)
- ▶ Three external low-cut filter switches: flat, 75Hz and 150Hz. (Fig.2)
- ▶ Engraved serial number insures easy documentation for each microphone. (Fig. 3)

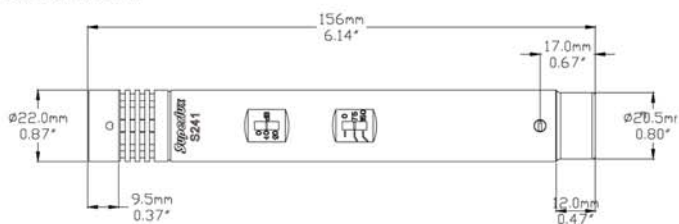


Fig.1

Fig.2

Fig.3

#### Dimensions



#### Accessories

- Supplied accessories include HM-40 clip ❶, S-09 foam windscreen ❷, and HM-43 anti-POP screen ❸.
- Recommended accessories: PS-2B phantom power adaptor ❹ and HM-26B shock mount ❺.
- Packed in a sturdy foam lined plastic carrying case.

