

U857QM

unipoint®

CARDIOID CONDENSER QUICK-MOUNT GOOSENECK MICROPHONE



- Designed for high-quality sound reinforcement, professional recording and broadcasting.
- Superior off-axis rejection for maximum gain before feedback.
- UniGuard™ RFI-shielding technology offers outstanding rejection of radio frequency interference (RFI).
- Easy-to-adjust, rugged, small-diameter, alternating gooseneck with virtually no “memory” permits quick positioning into desired shape.
- UniSteep® filter provides a steep low-frequency attenuation to improve sound pickup without affecting voice quality.
- Self-contained electronics eliminate need for external power module.
- Accepts interchangeable elements to permit angle of acceptance from 90° to 360°.
- Two-stage foam windscreen yields dramatically improved resistance to P-pops and other breath blasts.
- Quick-mount design with 3-pin XLRM-type connector insert at base plugs into any standard XLRF-type surface or cable connector.
- Optional shock mount attenuates noise, shock and vibration transmitted through the mounting surface.

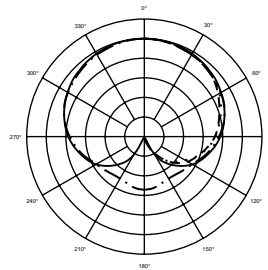
ELEMENT	Fixed-charge back plate permanently polarized condenser
POLAR PATTERN	Cardioid
FREQUENCY RESPONSE	30-20,000 Hz
LOW FREQUENCY ROLL-OFF	80 Hz, 18 dB/octave
OPEN CIRCUIT SENSITIVITY	-39 dB (11.2 mV) re 1V at 1 Pa
IMPEDANCE	250 ohms
MAXIMUM INPUT SOUND LEVEL	139 dB SPL, 1 kHz at 1% T.H.D.
DYNAMIC RANGE (TYPICAL)	115 dB, 1 kHz at Max SPL
SIGNAL-TO-NOISE RATIO	70 dB, 1 kHz at 1 Pa
PHANTOM POWER REQUIREMENTS	11-52V DC, 2 mA typical
SWITCH	Flat, roll-off
WEIGHT	147 g
DIMENSIONS	419 mm - long, 12.2 mm - head diameter
OUTPUT CONNECTOR	Integral 3-pin XLRM-type
OPTIONAL INTERCHANGEABLE ELEMENTS	UE-C cardioid (120°) UE-H hypercardioid (100°) UE-O omnidirectional (360°) UE-UL UniLine™ (90°)
ACCESSORIES FURNISHED	AT8153 two-stage foam windscreen

The U857QM stands 419mm from the table or podium. The model is require 11V to 52V phantom power for operation.

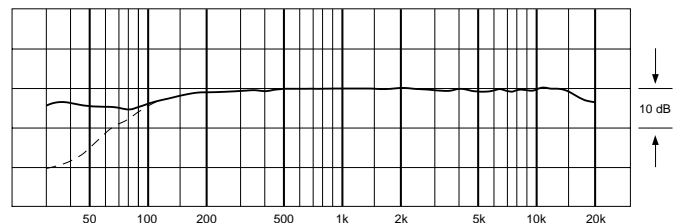
Output from the microphone's XLRM-type connector is low impedance (Lo-Z) balanced. The signal appears across Pins 2 and 3; Pin 1 is ground (shield). Output phase is "Pin 2 hot" - positive acoustic pressure produces positive voltage at Pin 2.

At integral 80 Hz high-pass UniSteep® filter provides easy switching from a fat frequency response to a low-end roll-off. The roll-off position reduces the microphone's sensitivity to popping in close vocal use. It also reduces the pickup of low-frequency ambient noise (such as traffic, air-handling systems, etc.), room reverberation and mechanically coupled vibrations.

Avoid leaving the microphone in the open sun or in areas where temperatures exceed 43°C for extended periods. Extremely high humidity should also be avoided.



200 Hz ————
1 kHz ————
5 kHz ————
8 kHz ————





U857QM 419mm
11V 52V

1 () 2 3

UniSteep®
80 Hz

()

43°C