

**Architects and Engineers Specifications for C3 Series – Gooseneck Integral Phantom Power Adaptor Versions**

The condenser gooseneck microphones shall have a cardioid polar pattern and slimline profile design. The microphone shall have a robust high quality brass construction using an 8mm flexible or semi rigid shaft. The finish will be low reflective Satin Black.

**"E" Series**

The microphone shall have a cardioid polar pattern and be terminated with a male 3 Pin XLR. The microphone shall be fitted with a Phantom Power Adaptor accepting 9 to 48 volts DC, including a switchable 10dB pad and a switchable bass cut filter (-4dB per octave at 400 Hz to -6dB per octave at 100 Hz). Impedance 200 Ohms;

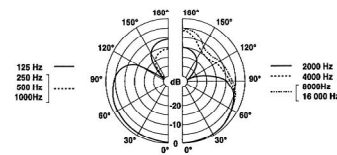
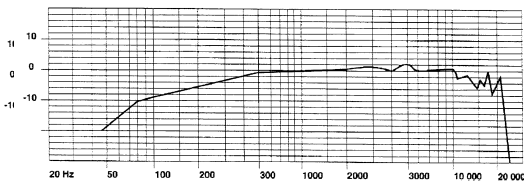
Frequency response 50 Hz - 18 KHz; Sensitivity -47dB ± 3dB @ 1Khz (0dB = 1V/Pa); Total harmonic distortion (THD) at an operating level of 125db shall be no greater than 1%. The microphone will be available in different lengths (L): 7.1in/180mm (C31E), 11in/280mm (C32E), 15in/380mm (C33E), 18.9in/480mm (C34E), 22.9in/580mm (C35E), 26.8in/680mm (C36E).

The microphone shall be a Clockaudio C3 "E" Series.

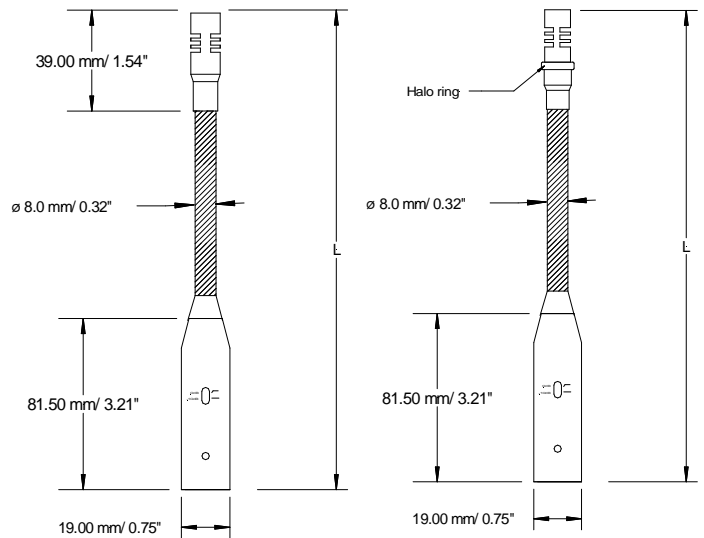
**"E" Halo Series**

The microphone shall have a cardioid polar pattern, be mounted on a semi rigid shaft terminated in a male 5 Pin XLR. The microphone shall be fitted with a Phantom Power Adaptor accepting 9 to 48 volts DC, including a switchable 10dB pad and a switchable bass cut filter (-4dB per octave at 400 Hz to -6dB per octave at 100 Hz). Impedance 200 Ohms; Frequency response 50 Hz – 18 KHz; Sensitivity -47dB ± 3dB @ 1 KHz (0dB = 1V/Pa); Total Harmonic Distortion (THD) at an operating level of 125dB shall be no greater than 1%. The microphone head will include an integral concentric Halo illuminated by high bright LED's drawing 30mA max. at 3.6volts (12volt versions optional). The LED's will require a separate power source. The microphone will be available in different lengths (L): 15in/380mm (C33E Halo), 18.9in/480mm (C34E Halo).

The microphone shall be a Clockaudio C3 "E Halo" Series



Product	Dimensions	
	Overall Length (L)	Shaft Diameter
C31E	7.1"(180mm)	0.32"(8mm)
C32E	11.0"(280mm)	0.32"(8mm)
C33E	15.0"(380mm)	0.32"(8mm)
C33E Halo	15.0"(380mm)	0.32"(8mm)
C34E	18.9"(480mm)	0.32"(8mm)
C34E Halo	18.9"(480mm)	0.32"(8mm)
C35E	22.9"(580mm)	0.34"(8.5mm)
C36E	26.8"(680mm)	0.34"(8.5mm)
	0.47"(12mm)	Head



**WIRING CONNECTIONS FOR 3 PIN XLR**

PIN 1 = SCREEN      PIN 2 = SIGNAL +      PIN 3 = GROUND -

**WIRING CONNECTIONS FOR HALO MICROPHONES ( 5 PIN XLR)**

PIN 1 = GROUND      PIN 2 = LED -      PIN 3 = GROUND -      PIN 4 = LED +      PIN 5 = SIGNAL +

**Architects and Engineers Specifications for C3 Series – Gooseneck Stud Mount Versions**

The condenser gooseneck microphones shall have a cardioid polar pattern. They shall have a slimline profile design and be of robust high quality brass construction using an 8mm fully flexible or semi rigid shaft with an M10 x 1 stud mounting. The finish will be low reflective Satin Black.

**Cardioid**

The microphone will have a cardioid polar pattern, be mounted on a semi rigid shaft with a stud mounting and terminated with open-ended cable 1 metre in length.

The microphone shall have Frequency response 50 Hz - 18 KHz; Sensitivity -47dB ± 3dB @ 1Khz (0dB =1V/Pa); Impedance 1.8 KOhms; Total harmonic distortion (THD) at an operating level of 125db shall be no greater than 1%. The operating power shall be provided via an in line Phantom Power Adaptor, or a DC supply of 1.5 – 9 volts through a series resistor (Optimum 6 volts). The microphone will be available in different lengths (L):

3.9in/100mm (C31), 7.9in/200mm (C32), 11.8in/300mm (C33), 15.8in/400mm (C34), 19.7in/500mm (C35), 23.6in/680mm (C36)

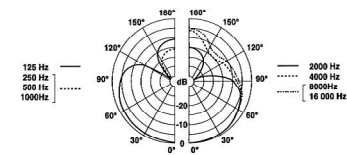
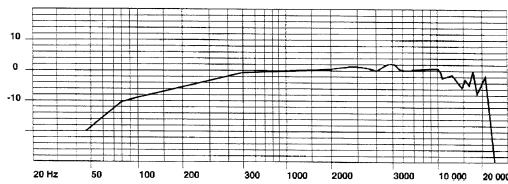
The microphone shall be a Clockaudio C3 Series.

**Cardioid Halo**

The microphone will have a cardioid polar pattern and be terminated with open-ended cable 1 metre in length.

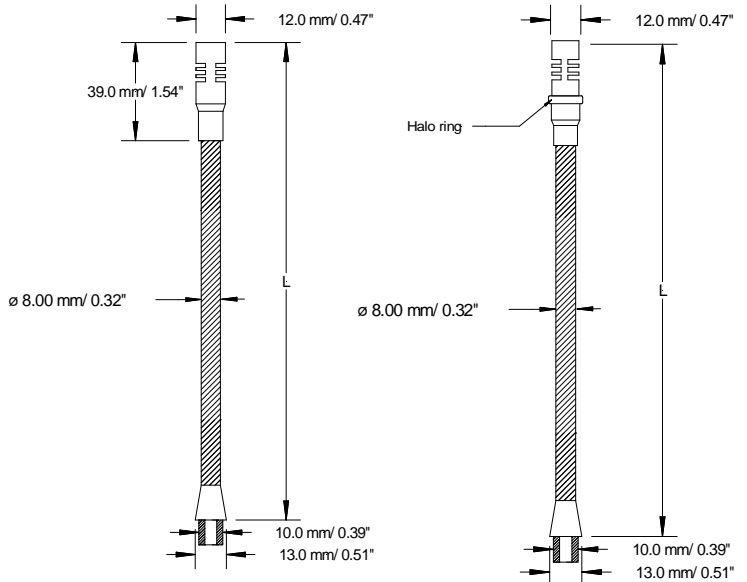
The microphone shall have Frequency response 50 Hz - 18 KHz; Sensitivity -47dB ± 3dB @ 1Khz (0dB =1V/Pa); Impedance 1.8 KOhms; Total harmonic distortion (THD) at an operating level of 125db shall be no greater than 1%. The operating power shall be provided via an in line Phantom Power Adaptor, or a DC supply of 1.5 – 9 volts through a series resistor (Optimum 6 volts). The microphone head will include an integral concentric Halo illuminated by high bright LED's drawing 30mA max. at 3.6volts (12 volt versions optional). The LED's will require a separate power source. The microphone will be available in different lengths (L): 11.8in/300mm (C33/HALO), 15.8in/400mm (C34/HALO).

The microphone shall be a Clockaudio C3 halo Series.



Clockaudio C3 and C3 Halo

Product	Dimensions	
	Overall Length (L)	Shaft Diameter
C31	3.9"(100mm)	0.32"(8mm)
C32	7.9"(200mm)	0.32"(8mm)
C33		
C33 Halo	11.8"(300mm)	0.32"(8mm)
C34		
C34 Halo	15.8"(400mm)	0.32"(8mm)
C35	19.7"(500mm)	0.34"(8.5mm)
C36	23.6"(600mm)	0.34"(8.5mm)
	0.47"(12mm) Head	



**WIRING CONNECTIONS FOR STANDARD OPEN ENDED MICROPHONES**

RED WIRE = SIGNAL +                      WHITE WIRE = GROUND -

**WIRING CONNECTIONS FOR HALO MICROPHONES (OPEN ENDED)**

RED WIRE = LED +    BLACK WIRE = LED - / RED = PHASE +    SCREEN = PHASE - (FROM GREY 2 CORE)

**LED OPERATING VOLTAGE = 3.6 V (MAX)**

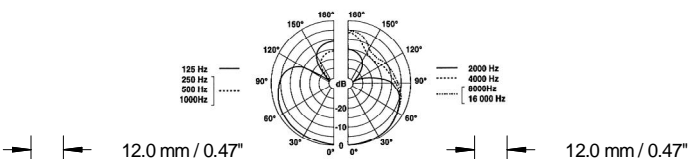
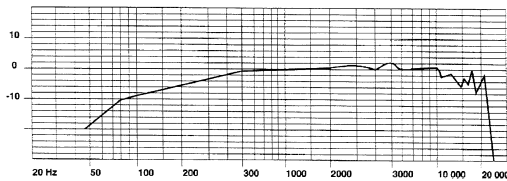
**Architects and Engineers Specifications for C3 Series – Knuckle Joint Versions**

**C301E**

The condenser microphone shall have a cardioid polar pattern and slimline design. The microphone shall be of robust high quality brass construction using a knuckle joint configuration, which will allow the head to rotate almost 360 degrees horizontally and 90 degrees vertically. The microphone shall be terminated with a male 3 Pin XLR and fitted with a Phantom Power Adaptor accepting 9 to 48 volts DC, including a switchable 10 db pad and a switchable bass cut filter (-4db per octave at 400 Hz to -6db per octave at 100 Hz). Frequency response 50 Hz to 18 KHz; Sensitivity -47db ± 3db @ 1Khz (0db =1V/Pa); Impedance 200 Ohms. Total harmonic distortion (THD) at an operating level of 125db shall be no greater than 1%. The microphone will have a low reflective Satin Black finish. The microphone shall be a Clockaudio C301E.

**C301E Halo**

The condenser microphone shall have a cardioid polar pattern and slimline design. The microphone shall be of robust high quality brass construction using a knuckle joint configuration, which will allow the capsule to rotate almost 360 degrees horizontally and 90 degrees vertically. The microphone shall be terminated with a male 5 Pin XLR and fitted with a Phantom Power Adaptor accepting 9 to 48 volts DC, including a switchable 10 db pad and a switchable bass cut filter (-4db per octave at 400 Hz to -6db per octave at 100 Hz). Frequency response 50 Hz to 18 KHz; Sensitivity -47db +/- 3db @ 1Khz (0db =1V/Pa); Impedance 200 Ohms. Total harmonic distortion (THD) at an operating level of 125db shall be no greater than 1%. The microphone head will include an integral concentric Halo illuminated by high bright LED's drawing 30 mA max at 3.6volts (optional 12 volt versions available). The LED's will require a separate power source. The microphone will have a low reflective satin black finish. The microphone shall be a Clockaudio C301E Halo.

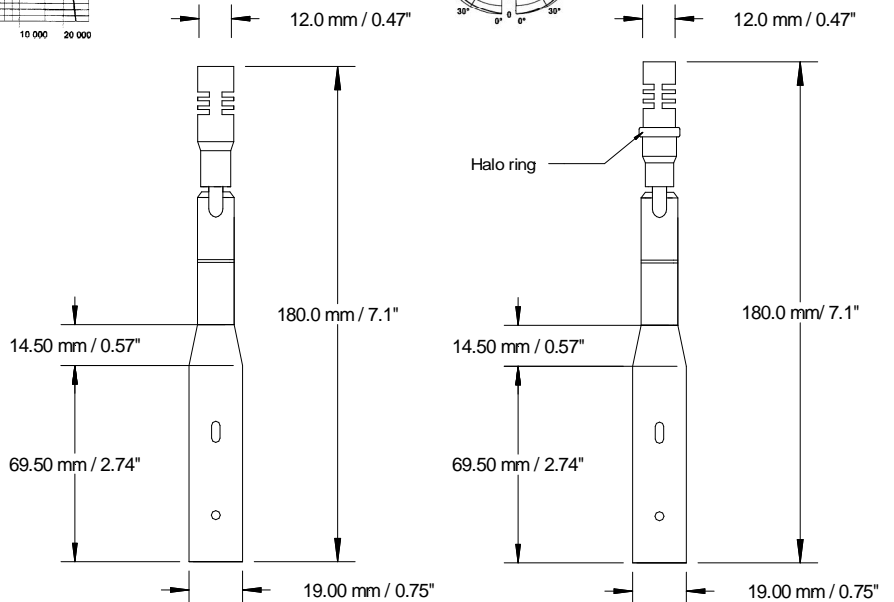


**Product C301E/C301E Halo**

Overall Height 7.2"/180mm

Body Diameter 0.75"/19mm

Head Diameter 0.48"/12mm



**WIRING CONNECTIONS FOR 3 PIN XLR**

PIN 1 = SCREEN      PIN 2 = SIGNAL+      PIN 3 = GROUND-

**WIRING CONNECTIONS FOR HALO MICROPHONES ( 5 PIN XLR)**

PIN 1 = GROUND      PIN 2 = LED -      PIN 3 = PHASE -      PIN 4 = LED +      PIN 5 = PHASE +

**LED OPERATING VOLTAGE = 3.6 V (MAX)**