



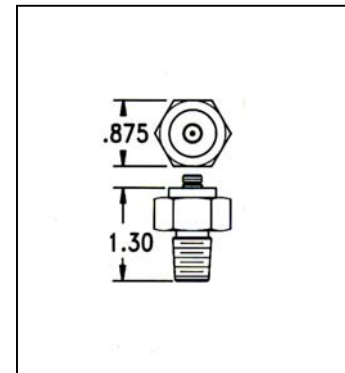
The Columbia Model P-766 High Intensity Acoustic Sensor (Microphone) is designed for the measurement of dynamic pressure events, including high intensity sound pressure levels, in the frequency range of 2 to 10KHz. It may be used at temperatures up to +150 Degrees C.

The all-welded case construction of the Model P-766 provides the advantages of high natural frequency and exceptional mechanical isolation along with extreme ruggedness. This flush diaphragm device conveniently mounts with a 1/2" male pipe thread. *Consult the factory for customized versions of this sensor.*

- **Fast Pressure Variations, Surges & Dynamic Blasts**
- **High Pressure**
- **25 pC/psi Sensitivity**
- **General Purpose**

Specifications

Transfer / Electrical	P-766
Charge Sensitivity	25 pC/psi
Pressure Range	5,000 psi
Pressure Overload (without damage)	10,000 psi Max.
Frequency Response	2 To 10,000 Hz
Resonant Frequency	60 KHz
Amplitude Linearity	+/-2%
Capacitance	400 pF
Output Resistance	1 x 10 ¹⁰ Ohms
Grounding	Case Grounded
Environmental	
Temperature Range (Less than +/-10% Variation)	-65 To +300 Deg F (-54 To +150 Deg C)
Humidity ¹	0 To 100% R.H.
Physical	
Size	0.875 In. Hex. x 1.30 In. H (22.2 mm Hex x 33.0 mm H)
Weight	2.3 Oz (64 Gm)
Material	
Body & Diaphragm	Type 316 Stainless Steel
Electrical Interface	#10-32 Coaxial Thread
Mounting	1/2 In. NPT Male Thread



NOTES:

¹ With Connector Mated or Protected, Unit is Hermetically Sealed.

Accessories Supplied:

- (1) Cable Assembly, LNHT-3 Ft.
- (1) Hardwood Storage Box
- (1) Standard Calibration Data.