



Fig. 6 Typical frequency response of Type 46AE. Upper curve shows free-field response for 0°, lower curve shows pressure response

Type 46AE: A combination of ½-inch Prepolarized Free-field Microphone Type 40AE and ½-inch CCP Preamplifier Type 26CA with BNC co-axial connector.

For CCP transducers, the signal wire is used for reading the TEDS information directly from the preamplifier.



Specifications Type 46AE

Frequency response:		Temperature:	
3.15 Hz - 20 kHz:	±2.0 dB	Operation:	-30°C to +70°C
5 Hz - 10 kHz:	±1.0 dB	Storage:	-40°C to +85°C
Nominal sensitivity:		Coefficient (250 Hz):	-0.007 dB/°C
	50 mV/Pa	Relative humidity:	
Polarization voltage:		Operation:0 to 95%
	0 V	Storage:0 to 95%
Dynamic range:		Influence (250 Hz):	<0.1 dB
Upper limit:	135 dB re. 20 µ Pa	Static-pressure coefficient:	
Lower limit (thermal noise): . . .	17 dBA re. 20 µ Pa		-0.01 dB/k Pa
Output impedance:		Influence of axial vibration, 1 m/s²:	
Typical:	< 50 Ω		63 dB re. 20 µ Pa
Power-supply:		Connector:	
	2 mA to 20 mA (typically 4 mA)	BNC:	Co-axial
Maximum signal-output voltage (peak):		Dimensions and weight:	
	±8.0 V	Diameter:	13.2 mm
		Length:84 mm
		Weight:33 g