

MICROPHONES AND ACCELEROMETERS

Microphones featured in this Catalogue

Type / Order number	Diameter	Optimised	Nominal open-circuit sensitivity	Optimised frequency response, ± 2 dB	Dynamic range with preamplifier	Preamplifier included
4939	1/4 inch	Free-field	4 mV/Pa	4 to 100 000 Hz	35 dB(A) - 164 dB	No
4188 A - 021	1/2 inch	Free-field	31.6 mV/Pa	20 to 12 500 Hz	19 dB(A) - 141 dB	2671
4189 A-021	1/2 inch	Free-field	50 mV/Pa	20 to 20 000 Hz	16.5 dB(A) - 138 dB	2671
4189 L-001	1/2 inch	Free-field	50 mV/Pa	6.3 to 20 000 Hz	15.2 dB(A) - 146 dB	2669 L
4190 L-001	1/2 inch	Free-field	50 mV/Pa	3.15 to 20 000 Hz	15 dB(A) - 147 dB	2669 L
4191	1/2 inch	Free-field	12.5 mV/Pa	3.15 to 40 000 Hz	21.4 dB(A) - 161 dB	No
4938	1/4 inch	Pressure-field	1.6 mV/Pa	4 to 70 000 Hz	42 dB(A) - 172 dB	No
4944	1/4 inch	Pressure-field	1 mV/Pa	4 to 70 000 Hz	46 dB(A) - 170 dB	No
4192	1/2 inch	Pressure-field	12.5 mV/Pa	3.15 to 20 000 Hz	20.7 dB(A) - 161 dB	No
4947	1/2 inch	Pressure-field	12.5 mV/Pa	8 to 10 000 Hz	17.5 dB(A) - 160 dB	No
4144	1 inch	Pressure-field	50 mV/Pa	2.6 to 8 000 Hz	10 dB(A) - 146 dB	No
4943 L-001	1/2 inch	Diffuse-field	50 mV/Pa	3.15 to 10 000 Hz	15 dB(A) - 147 dB	2669 L
4942 A-021	1/2 inch	Diffuse-field	50 mV/Pa	20 to 16 000 Hz	16.5 dB(A) - 138 dB	2671
4935	1/4 inch	Array	5.6 mV/Pa	50 to 5 000 Hz	32 dB(A) - 140 dB	DeltaTron
4187	1/4 inch	Impedance tube	4 mV/Pa	1 to 8 000 Hz	35 dB(A) - 164 dB	No
4101	5.4 mm	Binaural	20 mV/Pa	20 to 20 000 Hz	23 dB(A) - 134 dB	DeltaTron

IEPE Accelerometers featured in this Catalogue

Type / Order number	Type	Sensitivity	Frequency range ± 10 %	Vibration level	Weight	TEDS included
4507 B	Single-axis	100 mV/g	0.3 to 6 000 Hz	70 g	4.8 gram	Yes
4507 B-001	Single-axis	10 mV/g	0.1 to 6 000 Hz	700 g	4.8 gram	Yes
4508 B	Single-axis	100 mV/g	0.3 to 8 000 Hz	70 g	4.8 gram	Yes
4394	Single-axis	10 mV/g	1 to 25 000 Hz	750 g	2.8 gram	No
4506 B	Triaxial	100 mV/g	X: 0.6 to 6 000 Hz Y, Z: 0.6 to 3 500 Hz	70 g	15 gram	Yes
4506 B-002	Triaxial	1 000 mV/g	X: 0.3 to 3 500 Hz Y, Z: 0.6 to 1 600 Hz	7 g	21 gram	Yes
66-A-11 EE-0366	Triaxial	10 mV/g	0.5 to 10 000 Hz	200 g	5.5 gram	Yes
66-A-12 EE-0366-001	Triaxial	10 mV/g	0.5 to 10 000 Hz	200 g	5.5 gram	Yes

Charge Accelerometers featured in this Catalogue

Type / Order number	Type	Sensitivity	Frequency range ± 10 %	Vibration level	Weight	TEDS included
4993	Single-axis	3 pC/g	0.1 to 16 500 Hz	5 000 g	2.4 gram	No
2226 C EE-0010	Single-axis	2.8 pC/g	0.5 to 7 000 Hz	1 000 g	2.8 gram	No
2221 D EE-0003	Single-axis	17 pC/g	0.5 to 10 000 Hz	1 000 g	12 gram	No
7201-50 EE-0035	Single-axis	50 pC/g	0.5 to 8 000 Hz	2 000 g	20 gram	No
7201-10 EE-0033	Single-axis	10 pC/g	0.5 to 16 000 Hz	2 000 g	18 gram	No
4326A-001	Triaxial	3 pC/g	X: 9 000 Hz, Y: 8 000 Hz Z: 16 000 Hz	300 g	17 gram	No

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For further information please refer to the Brüel & Kjær – **Microphones & Conditioning** Product Catalogue 2002