



moving sounds without moving parts

Acoustic specifications

Transducer type	Membrane-free, optical
Frequency range	50 kHz-2 MHz
Dynamic range	100 dB
Self-noise	5µPa (BW: 1 Hz, measured @ 500 kHz)
Self-noise, full bandwidth	10 mPa
Max. sound pressure for THD < 3%	40 Pa
Max. sound pressure level for THD < 3%	126 dB rel. 20 µPa
Damage threshold	> 194 dB rel. 20 µPa
Sensitivity	100 mV/Pa @ 1 kHz (0 dB gain, 50 Ω)
Polar pattern	Omnidirectional
Sound field optimization	Free field and pressure field
Calibration	Yes, standard calibrators (with adapter)

General specifications

General specifications	
Sensor output	±15V (high impedance), ±7.5V (50Ω)
Sensor output voltage connector	BNC
Size of sensor head	diameter: 5 mm; length: 35 mm
Weight of sensor head	ca. 10 g
Fiber cable length	5 m (other upon request)
Size of control unit	220 mm x 334 mm; height: 93 mm
Weight of control unit	8 kg
Power supply (signal conditioning unit)	120/230V ± 5%; 50/60 Hz
Power consumption	< 50 W
Operating temperature of sensor head	10 °C to 40 °C (50 °F to 100 °F)



