

Eta250 L Ultra

Acoustic

Transducer type	Membrane-free, optical hydrophone
Frequency range	10 Hz - 2 MHz
Dynamic range	1 mPa - 10 kPa (pressure amplitude)
Self-noise	1 mPa (BW: 1 Hz, measured @100 kHz)
Self-noise, full bandwidth	1 Pa
Sensitivity	3.4 mV/Pa (0 dB gain, 50 Ω)

General

Maximum output voltage	± 15 V (high impedance), ± 7.5 V (50 Ω)
Output impedance	50 Ω
Output connector	BNC
Size of sensor head	diameter: 6.5 mm; length: 34 mm
Weight of sensor head	ca. 12 g
Length of fiber-optic cable	5 m (other upon request)
Size of signal conditioning unit	220 mm x 334 mm; height: 93 mm
Weight of signal conditioning unit	8 kg
Power supply	120/230V $\pm 5\%$; 50/60 Hz
Power consumption	< 50 W

Environmental

Storage temperature	-20 $^{\circ}$ C to 80 $^{\circ}$ C (0 $^{\circ}$ F to 175 $^{\circ}$ F)
Operating temperature of sensor head	5 $^{\circ}$ C to 60 $^{\circ}$ C (40 $^{\circ}$ F to 140 $^{\circ}$ F)
Operating temperature of signal conditioning unit	0 $^{\circ}$ C to 50 $^{\circ}$ C (30 $^{\circ}$ F to 120 $^{\circ}$ F)
Environmental humidity	non-condensing