

Eta250 L Ultra

Acoustic

Transducer type	Membrane-free, optical hydrophone
Frequency range	10 Hz - MHz
Dynamic range	1 mPa - 10 Pa (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	±15V (high impedance), ±7V5(50 Ω)
Output impedance	50 Ω
Output connector	BNC
Size of sensor head	diameter: 6.5mm; length: 34mm
Weight of sensor head	ca. 12g
Length of fiber-optic cable	5 m (other upon request)
Size of signal conditioning unit	220 mm x 334 mm; height: 93mm
Weight of signal conditioning unit	8 kg
Power supply	120/230 V ±5%; 50/60 Hz
Power consumption	< 50 W

Environmental

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

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