

Eta250 L Ultra

Acoustic

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|----------------------------|-------------------------------------|
| 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

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|------------------------------------|--------------------------------------|
| Maximum output voltage | ±15V (high impedance), ± 7.5V (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 ± 5 %; 50/60 Hz |
| Power consumption | < 50W |

Environmental

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|---|------------------------------|
| 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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moving sounds without moving parts

Xarion
 laser acoustics