

# Eta250 L Ultra

## Acoustic

Transducer type	Membrane-free, optical
Frequency range	50 kHz - 4 MHz
Dynamic range	1 mPa - 10 kPa (pressure amplitude)
Self-noise, BW 1 Hz @ 100 kHz	1 mPa
Self-noise, full bandwidth	1 Pa
Sensitivity	3,4 mV/Pa

## General

Sensor output voltage	$\pm 15\text{V}$ (high impedance), $\pm 7.5\text{V}$ (50 $\Omega$ )
Sensor output voltage connector (signal conditioning unit)	BNC
Sensor output impedance	50 $\Omega$
Size of sensor head	diameter: 5 mm; length: 38 mm
Weight of sensor head	10 g
Fiber cable length	5 m (other upon request)
Size of control unit	220 mm x 330 mm; height: 95 mm
Weight of control unit	8 kg
Power supply (signal conditioning unit)	120 / 230 Vac $\pm 5\%$ , 50 / 60 Hz
Power consumption	< 50 W

## Environmental

Storage temperature	0°C to 60°C (30 F to 140 F)
Operating temperature: sensor head	5°C to 60°C (40 F to 140 F)
Operating temperature: control unit	15°C to 30°C (60 F to 85 F)
Environmental humidity	non condensing



光技術をサポートする

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moving sounds without moving parts

