

Eta100 L Ultra

Acoustic

Transducer type	Membrane-free, optical
Frequency range	10 Hz - 20 MHz
Dynamic range	20 mPa - 1 MPa (pressure amplitude)
Self-noise, BW 1 Hz @ 100 kHz	20 mPa
Self-noise, full bandwidth	90 Pa
Sensitivity	16 mV/kPa
Polar pattern	Omnidirectional

General

Sensor output voltage	±15V (high impedance), ± 7.5V (50 Ohm)
Sensor output voltage connector (signal conditioning unit)	BNC
Sensor output impedance	50 Ohm
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 / 230Vac ±5%, 50 / 60 Hz
Power consumption	< 50 W

Environmental

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