

Eta250 Ultra

Acoustic

Transducer type	Membrane-free, optical
Frequency range	10 Hz - MHz
Dynamic range	100 dB
Self-noise	50 μ Pa (BW: 1Hz, measured @ 1 kHz)
Self-noise, full bandwidth	50 mPa
Max. sound pressure for THD <3%	400 Pa
Max. sound pressure level for THD <3%	146 dB rel. 20Pa
Damage threshold	>194 dB rel. 20Pa
Sensitivity	10 mV/Pa @ 1 kHz (0dB gain, 50 Ω)
Polar pattern	Omnidirectional
Sound <input checked="" type="checkbox"/> eld optimization	Free <input checked="" type="checkbox"/> eld and pressure <input checked="" type="checkbox"/> eld
Calibration	Adapter available for standard calibrators

General

Maximum output voltage	± 15 V (high impedance), ± 7.5 V (50 Ω)
Output impedance	50 Ω
Output connector	BNC
Sensor head dimensions	diameter: 5mm; length: 33mm
Sensor head weight	10 g
Fiber cable length	5 m (other upon request)
Signal conditioning unit dimensions	220 mm x 330 mm; height: 95mm
Signal conditioning unit weight	8 kg
Power supply	230/120 V $\pm 5\%$; 50/60Hz
Power consumption	< 50 W

Environmental

Storage temperature	-20° C to 80 C (0 F to 175 F)
Operating temperature: sensor head	-10° C to 100 C (0 F to 210 F)
Operating temperature: signal conditioning unit	0° C to 50 C (30 F to 120 F)
Environmental humidity	non-condensing

脉动科技有限公司

中国代理商

北京总部 地址：海淀区中关村东路84-8号 传真：010-62565117-803
 二层1-104单元, 100190 邮箱：info@pulsepower.cn
 电话：010-62565117 官网：www.pulsepower.cn

上海办事处
021-60720971

深圳办事处
0755-26922729

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