



Technical Specs

Gain	20/40/60dB
Response frequency	1.3kHz ~ 1.2MHz
Noise	< 24dB
Filter	20kHz-1200kHz, 100kHz-400kHz 20kHz-120kHz 1kHz-40kHz
Output range	±10V (Vpp)
Input capacitive reactance	15pF
Working voltage	24V-32V
Impedance	50Ω
Quiescent current	31 mA
Maximum current	100 mA
Working temp.	-20°C ~ +60°C
Size	110mm×65mm ×37mm
Protection level	IP65
Shell material	Cast aluminium
Connector	BNC

Certification



Description and Features

PAS preamplifier has the functions of 4 filters and 3 gains, and can be connected to differential sensors. It is available in both phantom and adapter power supply, and it is compatible with most common sensors and acoustic emission acquisition boards on the market.



Note :

- The power supply should be a good match with the output impedance, otherwise it will lead to the gain of the preamplifier to deviate from the nominal gain value, resulting in signal amplitude deviation.
- If acoustic emission acquisition cards from other manufacturers are selected, a **PPS preamplifier power supply** is required.
- Wiring must be correct. The following three wrong operations may lead to damage to the preamplifier:
 - ✦ The input voltage is 25% higher than the power supply requirement
 - ✦ Connect the power supply to the signal input connector.
 - ✦ The positive and negative terminals of the power supply are inversely connected