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Octal Bridge Amp

Model No. ML119



The **Octal Bridge Amp** offers 8 bridge amplifiers in one enclosure. It is suitable for use with multiple-chamber organ baths. It provides a fast software or switch-initiated zeroing capability. Each input consists of a software-controlled, non-isolated, low-noise bridge amplifier suitable for use with strain gauges, and force and pressure transducers.

Applications:


Multichannel cardiac and smooth muscle studies *in vitro*, arterial or venous pressures.

Options available:

- /D 8 pin DIN connectors
- /G Grass connectors
- /F Full width enclosure

Specifications:

Inputs:	8 non-isolated inputs, with differential to single-ended conversion
Input ranges:	$\pm 20 \mu\text{V}$ to $\pm 200 \text{ mV}$ full scale in 2:5:10 steps (combined PowerLab and Bridge Amp)
Accuracy:	0.25% with 0 - 5000 ohm input source unbalance (0.1% after calibration)
Input impedance:	>100 megohm for signals up to $\pm 0.5 \text{ V}$
Low-pass filters:	2 - 100 Hz in 6 steps 4th-order Bessel
AC Coupling:	None
Noise:	$< 1.5 \mu\text{V}_{\text{rms}}$ referred to input, 0 - 100 Hz $< 0.25 \mu\text{V}_{\text{rms}}$ referred to input, 0 - 2 Hz
Temperature drift:	$< 0.3 \mu\text{V}/^\circ\text{C}$ at 1 mV range

Excitation:	25 mA maximum overload indication ± 4 V fixed, for /D option ± 3 V fixed, for /G option
Transducer impedance:	350 - 2500 ohm for /D option 250 - 2500 ohm for /G option
Zeroing:	16-bit resolution, ± 150 mV, external contact or software-controlled
Safety:	 Meets EN60601-1 standard



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