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Quad Bridge Amp

Model No. ML118



The **Quad Bridge Amp** offers 4 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
/N Narrow enclosure
/F Full-width enclosure

Specifications:

Inputs:	4 non-isolated inputs, with differential to single-ended conversion
Input ranges:	±20 µV to ±200 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 ±0.5 V
Low-pass filters:	2 - 100 Hz in 6 steps using 4th-order Bessel filters
AC Coupling:	None
Noise:	<1.5 μV_{rms} referred to input, 0 - 100 Hz <0.25 μV_{rms} referred to input, 0 - 2 Hz
Temperature drift:	<0.3 µV/°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:	CE Meets EN60601-1 standard

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