

SR AMP4CH-DF PRODUCT FLYER

The Symmetric Research AMP4CH-DF is a 4 channel amplifier for use with differential inputs like those of the SR PARxCH 24 bit data acquisition systems. In its standard configuration, the AMP4CH-DF provides a gain of 100 on each analog input channel.

The AMP4CH-DF allows for high resolution acquisition of very small signals. With the standard gain of 100, the amplifier allows input signals as small as +/-100 millivolts to span the full +/-10 volt analog input range of the PARxCH. Designed with excellent noise characteristics, the AMP4CH-DF adds almost no detectable noise to the final acquired data.

The gain on each channel is controlled by a resistor. Soldering on a different resistor changes the gain. Custom gain configurations are available for a small charge when placing your order. Included with the amplifier are circuit diagrams, an enclosure that stacks nicely with the PARxCH, and the power and D-shell cables for connecting to the PARxCH. All you supply are the analog inputs.

HARDWARE FEATURES

- Ideal for use with the SR PARxCH 24 bit data acquisition systems
- Provides gains of 100 or 40 dB with no degradation in signal quality or noise floor
- Works with differential inputs
- Low 100 ma power consumption
- Resistor programmable gain for each channel

- AMP4CH-DF board sits outside the PC and stacks with the PARxCH
- 15 pin D-shell connectors for analog input and output signals
- Daisy chain power with the PARxCH, or power separately with optional wall transformer

- Careful ground plane layout for low channel to channel crosstalk and noise
- Small PAR4CH footprint 5.25" x 6"
- PARxCH analog input cable, daisy chain power cable and enclosure included
- Documentation includes circuit diagrams

PRICES

SR Product	Description	Price
AMP4CH-DF	4 channel 100x amplifier for differential inputs	\$250
AMP4CH-CHANGE-GAIN	Configure an AMP4CH-DF with custom gains	\$20
PAR1CH	1 channel 24 bit A/D system for PC parallel port	\$220
PAR4CH	4 channel 24 bit A/D system for PC parallel port	\$575
PAR8CH	8 channel 24 bit A/D system for PC parallel port	\$980
TRANS-WALL-09V-DC	Wall transformer for powering AMP4CH-DF separately	\$15