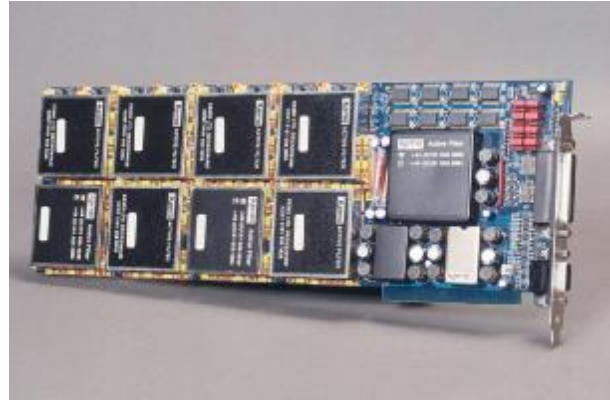


- 8 Channels
- Fits in PC slot
- Input Gain to 60dB
- Single ended / differential Input
- ICP transducer power
- Easy to use
- 3 manually selectable frequencies with 1200 filter modules
- 255 manually selectable frequencies with 1600 filter modules



The Kemo CardMaster 8 is an 8 channel filter carrier card. Each channel is configurable with, single ended or differential input, AC/DC coupling, pre filter input gain up to +60 dB, selectable icp current, all set individually for each channel. The CardMaster 8 is designed for use with the Kemo 1200 resistor set filters, or the Kemo 1600 programmable series of filters. These modules are available from stock with a wide range of filter responses to meet a range of applications. With the 1200 modules 3 selectable frequencies, f_a , f_b , and f_{a+b} , can be set by on board jumpers. With the 1600 modules 255 frequencies can be set by on board switches.

Applications

- Conditioning ICP Accelerometer signals, ideal for condition monitoring systems.
- Local filtering and amplification in systems.
- Configurable front end for data acquisition systems.
- OEM uses to filter noise.

Specification

Dimensions	PC AT size, ISA 1 slot.
Power Input	5 Volts DC, 4 Amp (Typical). (CardMaster 8 is isolated from the PC power supply)
Operating Temperature	-10 to 45 °C, non condensing. (Adequate cooling should be provided)
Input	Signal +/- 10 Volt. DC, AC, ICP. ICP 1 - 10mA, 24 V, set by on card resistor per channel. (20 mA if only 4 channels powered)
Input Gain	0 to +60 dB, user selectable by one resistor per channel.
Trim Adjustments	DC Offset, Gain, by 10 turn pots, top adjusting with card vertical in PC
Frequency Setting	1200 Modules by 2 resistors per filter pole, giving 3 frequencies (f_a , f_b , f_{a+b}) 1600 Modules by DIP switches, giving 255 frequencies.
Output Attenuation	User fitted, pads for 2 resistor divider network per channel.
Input Connector	25 Way 'D' Type female. (8 BNC to 25 Way connector box is available)
Output connector	9 Way 'D' Type female.

Due to continued product development Kemo Limited reserve the right to change specification without notice.

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