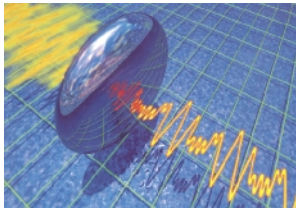


Kemo Limited - producing quality signal filtering and amplification systems since 1965. Today's leading specialist company in small noisy signals. A wide product range, covering a large number of application sectors world wide. We manufacture using the latest surface mount techniques, with the highest quality specialist components. We have updated and rationalised our product ranges to make them easier to use, and more suited for many applications.

Many of our basic filters and laboratory filters are available from stock.



WHY Filter? – Increasingly more use is made of small amounts of measured data, for process control, for experimental results, for defence systems, for medical research. All these sectors have small noisy signals, the use of an analogue filter in the correct place can significantly improve data quality.

Kemo have over 40 years experience of signal conditioning, and a wide range of application experience. Contact us at www.kemo.com to see how we can help clean your signals.

Basic Filters - A range of easy to use filter DIN Rail mounting filters. Configurable input including IEPE transducer supply, gain to x1000 (+60dB), AC/DC coupling, single ended differential, and 4-20mA inputs. Fixed frequency and 255 step selectable frequency models are available, usually within a few days from order. 4-20mA outputs are an option on the DIN rail filters. As with all our products we manufacture and design these cards to get the best filter performance.



Benchtop and Laboratory Filters – A wide range of laboratory filters from rugged single channel units through to the top of the range VBF40. The 2 channel BenchMaster 8 is now in its 5th generation, with many thousands in use world-wide. This classic laboratory filter provides 2 channels of switchable lowpass and highpass filtering, gain, signal level indication. A simple control combines these to give bandpass, bandstop, and notch filtering in one unit. BenchMaster 8's are usually available for fast delivery. Most Kemo laboratory filters are now available with Ethernet interfaces.



Filter Systems – A wide range of filter systems, covering:- fixed frequency, internally selectable frequency, front panel control, and multichannel computer controlled systems. The CardMaster 255G is ideal for integration into measurement systems, front panel control of frequency and gain, with input settings made by internal jumpers, or full external control via the Ethernet interface. The CardMaster 255G comes in a selection of frequency ranges covering DC to 255 kHz, and a range of filter responses including anti-aliasing, flat linear phase, Bessel and Butterworth types.



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Shortform

BenchMaster 21M – Switchable highpass / lowpass. An easy to use versatile filter system, with front panel controls of filter frequency, gain, input mode and coupling. Overload and signal level indication on the front panel, and optional Ethernet control interface. Filter frequencies from 0.1 Hz to 98 kHz are covered in three models. The filters may be bypassed a 'pulse' mode provides a reduced overshoot filter response. 2 racks, single channel, and up to 9 channels. Connections are via front panel BNC's. BenchMaster 21M's are available for fast delivery, with a range of filter responses.



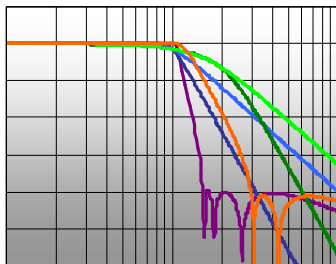
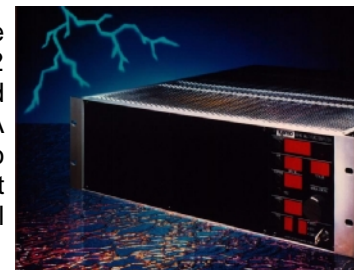
Mini Racks – Compact rugged DC driven racks for 1 channel of BenchMaster 21M or CardMaster 255G. The BenchMaster 21M in a mini rack makes a very good compact portable filter, suitable for on site use and signal troubleshooting. BNC in and out, gain, signal level indication, and front panel controls make these versatile easy to use single channel filters.

VME Filter Cards – for many years we have supplied filter cards and systems for high quality systems. The 6UG/1600 filter card has RS232 programmable filter settings, gain, and input coupling. Differential and single ended inputs are standard. Gain is up to x800(+56 dB). Frequencies from 0.2 Hz to 255 kHz are available in 255 cut-off step ranges, and a choice of filter responses. Control is by text based RS232, independent of any operating system or VME bus. A Windows driver is available. Systems up to 128 channels can be controlled from one interface.



VBF 44 – 4 channel filter amplifier 1Hz to 255kHz filter frequencies. Pre filter gain +40dB and post filter gain +30dB, 5 built in filter responses, 2 highpass, 2 lowpass and 1 bandpass, comprehensive channel linking and coupling make the VBF 44 a very versatile filter. The VBF 44 is especially suitable for complex 'stereo' type applications, and for the optimisation of sophisticated measurement situations. The VBF 44 comes with the updated FICL II text driven Ethernet style interface.

Filter / Amplifier Systems – Kemo's VBF 40 series of filter amplifiers are very versatile fully featured systems. They have 5 built in filter responses, 2 lowpass, 2 highpass, and one bandpass. Two gain stages, one before and one after the filter. Computer and manual front panel control are standard. A number of filter set ups can be stored in the units. Frequency is from 1 Hz to 255 kHz, with gain to x 3160 (+70 dB). The VBF 40 series can be found at the heart of many high end systems, where optimisation of signal conditioning is vital for overall system performance.



Service, Support, and Filter Responses – We provide a comprehensive support service. Our service and repair department offer calibration of filter systems, and repairs to older systems. Our web site www.kemo.com gives details on the level of support available for older units. Our experienced staff can advise on signal filtering and related topics.

Should you have any questions please contact either us or your local Kemo representative.

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