



2 Channel Band Pass Filter

Model YE3790A

FEATURES

- Small size and low weight
- 6 order Butterworth filter
- 9 high pass cut-off frequencies from 5Hz to 2kHz
- 11 low pass cut-off frequencies from 10Hz to 20kHz
- 11 settings for signal amplification
- Low noise and high accuracy
- Individual channel or combination of two channels



SUPPLIED WITH

| | |
|--------------------|---|
| Input cable | two 2 metre coax cable with BNC sockets |
| Output cable | two 2 metre coax cable with BNC sockets |
| Power supply cable | power supply cable (0.1A) |

PERFORMANCE

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|-------------------------------|--|
| Input voltage range | -10V to 10V peak |
| Input impedance | $\geq 100k\Omega$ |
| Output voltage | -10V to +10V peak |
| Output current | 5mA |
| Noise | $\leq 1mV$ |
| Gains | 11 settings from $\times 1$, $\times 2$... $\times 10$ |
| Accuracy | $\leq \pm 1.0\%$ |
| High pass cut-off frequencies | 5Hz, 10Hz, 20Hz, 50Hz, 100Hz, 200Hz, 500Hz, 1kHz, 2kHz with-3db ± 1 db and attenuation -36dB/octave |
| Low pass cut-off frequencies | 10Hz, 20Hz, 50Hz, 100Hz, 200Hz, 500Hz, 1kHz, 2kHz, 5kHz, 10kHz, 20kHz with-3db ± 1 db and attenuation -36dB/octave |
| Low frequency limit | DC |
| High frequency limit | 200 kHz |
| Power supplies | AC220V $\pm 10\%$ at 50Hz0.1A |

PHYSICAL CHARACTERISTICS

| | |
|-----------------------|---|
| Dimensions | 80mm(W) \times 122mm(H) \times 220mm(D) |
| Weight | 1.5kg |
| Electrical connection | BNC plugs for both input and output |

ENVIRONMENT CHARACTERISTICS

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|-----------------------|---------------|
| Operating temperature | 0°C to 40°C |
| Storage temperature | -55°C to 85°C |
| Maximum humidity | 95% RH |