

ASP231 Dual 31 Band Graphic Processor

ASP131 Single 31 Band Graphic Processor

Architects and Engineers specification.

The graphic processor shall have two (one) channels each with 31 boost/cut faders to control individual multiple feedback constant Q filters at iso-standard third-octave frequencies from 20Hz to 20kHz. The iso-frequency for each fader shall be shown adjacent to the fader by a back-lit legend. Each fader shall have 45mm travel with a centre detent such that the filter shall have no effect on the signal path with the fader in the detented position. The range of each boost/cut control shall be nominally +/- 10dB. A MODE switch on each channel shall allow the filters to be configured for NORMAL or NARROW operation. The operational mode shall be shown by a back-lit legend adjacent to the mode switch.

Each channel shall have a 12dB/octave HI-PASS filter with an operating frequency sweepable from 15Hz to 250 Hz along with a TILT control with a centre frequency of 1kHz. Each of these controls shall have an individual bypass switch with back-lit legend.

Each channel shall have an illuminated IN switch to insert all of the equalisation stages into the signal path, a peak LED and an overall GAIN control. In case of power failure the graphic processor shall have an automatic relay bypass facility.

System interfaces shall be fully balanced and terminated on both XLR and Phoenix type connectors. Transformers shall be optionally available for inputs and outputs. System noise (20Hz to 22kHz, with EQ in and set flat) shall be better than -92 dBu unweighted and distortion at +4dBu shall be lower than 0.005%.

The graphic processor shall be housed in a 3u rack-mounting case with optional security cover and shall operate from either a 230v or 115v (+/- 10%) AC mains supply.

The graphic processor shall be an Audient ASP231 (ASP131).