



EQM131

1/3 Octave Graphic Equalizer



EQM131 Front



EQM131 Back

Features

- High Performance Iso Centered Constant Q Filters
- Low Noise Floor, Wide Dynamic Range and All Metal Construction Makes the Eqm131 a Perfect Choice for Any Application Requiring Equalization
- Xlr, Trs and Rca Inputs & Outputs

General Description

The EQM131 will provide basic system equalization for sound masking or general public address applications at an amazingly affordable price.

The 1RU tall EQM131 is easily connected to any system via rear panel balanced TRS and XLR jacks. Unbalanced RCA connections are also provided for use with -10dBV equipment. Front panel mounted LPF/HPF and level controls are provided along with a switch for ± 6 or ± 12 dB operation and 31 sturdy 20mm filter slide controls.

The ISO centered $\frac{1}{3}$ octave bandwidth-constant Q filter design minimizes interaction between filters yet is still wide enough for creation of correction curves.

When used with the Atlas Sound AA120M mixer amplifier and AA-SMG sound masking module, the EQM131 can be used to create a $\frac{1}{3}$ octave masking spectrum which is fed directly to the AA120M amplifier section. Paging or music inputs can receive high frequency shelving equalization for better intelligibility from the AA120M front panel controls. The page/music inputs and masking module output can then be summed without affecting the masking source spectrum equalized by the EQM131.

Specifications

Height	1 $\frac{3}{4}$ " (44.45mm)
Width	19" (482.6mm)
Depth	8 $\frac{1}{2}$ " (215.9mm)
Shipping Weight	4.90 lbs (2.22 kgs)
Frequency Response	20Hz – 20kHz (± 5 dB)
Connector Type	XLR/TRS and RCA
Output Level	+22dBu Balanced, +18dBu Unbalanced
Rack Spaces	1RU

Architect and Engineer Specifications

Graphic equalizer shall be Atlas Sound model EQM-131. Unit shall have a front panel mounted LPF/HPF as well as a switch for ± 6 dB or ± 12 dB operation. Connections shall be made to the unit using either a balanced TRS or XLR connector located on the back of the unit. Equalizer shall also have a single unbalanced RCA connection input for use with -10dBV equipment. Equalizer shall have 31 frequency adjustments featuring 20mm slide controls for each frequency. Frequency response shall be 20Hz-20kHz and the output level will be +22dBu balanced and +18dB unbalanced. Finish shall be textured black epoxy and dimensions shall be 19"W x 8.5"D x 1.75"H (482.6mm x 215.9mm x 44.5mm).