



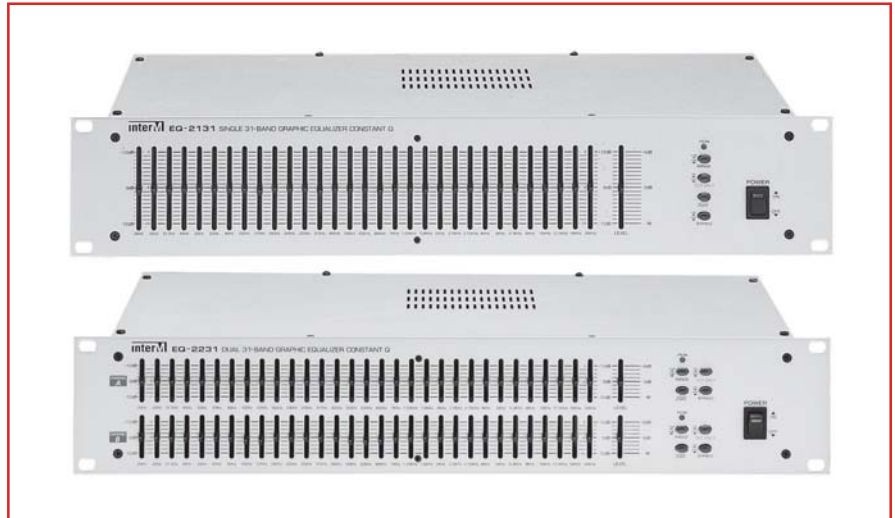
Graphic Equalizer

31-Band Mono/Dual

EQ-2131/2231

Features

- Mono/Dual Channel
- 31-Band 1/3-Octave Equalizer
- Six or 12dB Boost/Cut per Band (Switch Selectable)
- 45mm Slider EQ Level Controls
- Wide Frequency Response (20Hz to 20kHz) and Low Distortion (<0.01%)
- 80Hz High-Pass Filter Switch
- Cut Only or Boost/Cut Operation
- Balanced XLR or 1/4" Phone I/O Connectors
- EQ Bypass Switch
- Rack Mount (2RU)



Description

The mono/dual-channel EQ-2131/2231 graphic equalizer is designed for permanent installation in commercial and professional sound reinforcement applications. It features balanced line level inputs and a choice of balanced outputs. Forty five millimeter slider controls allow accurate boost/cut band settings of $\pm 6/12$ dB (selectable). A switchable 80Hz high-pass filter eliminates subsonic rumble and helps protect against low-frequency damage. Input and output connections are made by either three-pin XLR or 1/4" phone connectors. A front-panel EQ bypass switch (or lack of AC power) will bypass the equalization circuitry. The EQ-2131/2231 is packaged in a low-profile 2RU enclosure. The unit is powered by 100-120VAC or 220-240VAC 50/60Hz (depending on country requirements).

Technical Specifications

ELECTRICAL	EQ-2131	EQ-2231
Output Level/Impedance	0dB/600 Ω , BAL	
Input Sensitivity/Impedance	0dB/600 Ω , BAL	
THD	<0.01%	
Frequency Response	20Hz - 20kHz (± 1 dB)	
Signal-to-Noise Ratio	>85dB	
Equalizer Level	+/-6dB	
Equalizer Frequency	1/3 Octave ISO Centers	
High Pass Filter	80Hz (18dB/oct)	
Cut Only Mode	-12dB or -24dB ± 3 dB	
GENERAL		
Power Source	100-120VAC or 220-240VAC	
Power Consumption	15W	20W
Weight	10lbs.	11lbs.
	4.5kg	5kg
Dimensions (W x H x D)	19" x 3.5" x 11"	
	482mm x 88mm x 280mm	

EQ-2131/2231 Architects and Engineers Specifications

The equalizer shall provide mono/dual channel 31-band active equalization on standard ISO center frequencies (20, 25, 31.5, 40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800, 1k, 1.25k, 1.6k, 2k, 2.5k, 3.15k, 4k, 5k, 6.3k, 8k, 10k, 12.5k, 16k, 20kHz). Each band shall provide 6 or 12dB(selectable) boost or attenuation at the specified frequency. Inputs and outputs shall be line level, and inputs shall be balanced, with three-pin XLR or 1/4" phone jacks provided. A choice of balanced XLR or 1/4" phone outputs shall be offered.

High-pass (80Hz) filter and EQ bypass functions shall be front-panel switch selectable. An automatic signal bypass circuit shall be incorporated in case of unit shutdown.

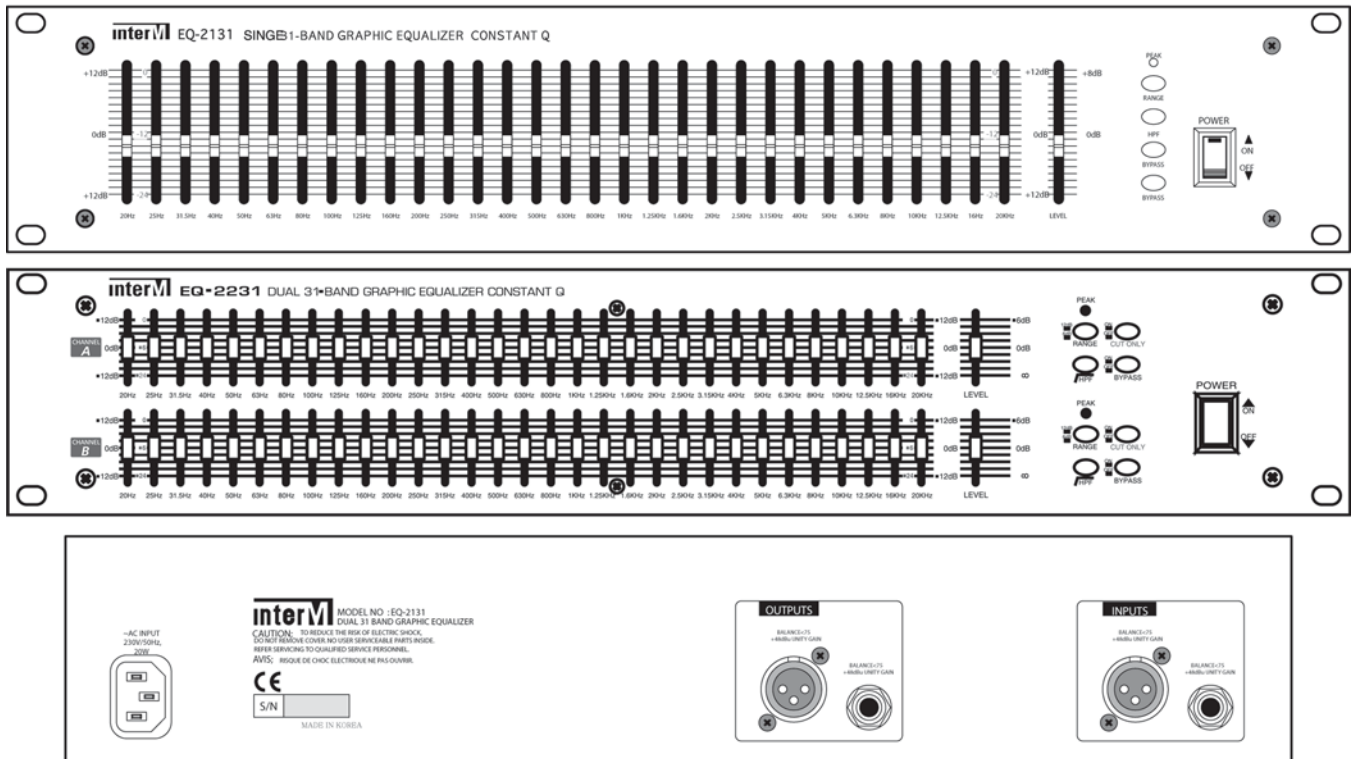
The equalizer shall meet the following performance criteria:

Frequency response shall be from 20Hz to 20kHz ± 1 dB; total harmonic distortion shall be less than 0.01%; and signal-to-noise ratio shall exceed 85dB. Input sensitivity and impedance shall be 0dB@600 Ω .

The equalizer shall measure 19" (482mm) wide x 3.5" (88mm) high x 11" (280mm) deep and shall mount in a standard 19" rack. The power source shall be either 100-120VAC or 220-240VAC 50/60Hz (depending on country requirements). The power shall be controlled from a front-panel mounted push on/push off switch with an integral power indicator LED.

The equalizer shall be an Inter-M model EQ-2131/2231.

EQ-2131/2231 Front and Rear Views



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