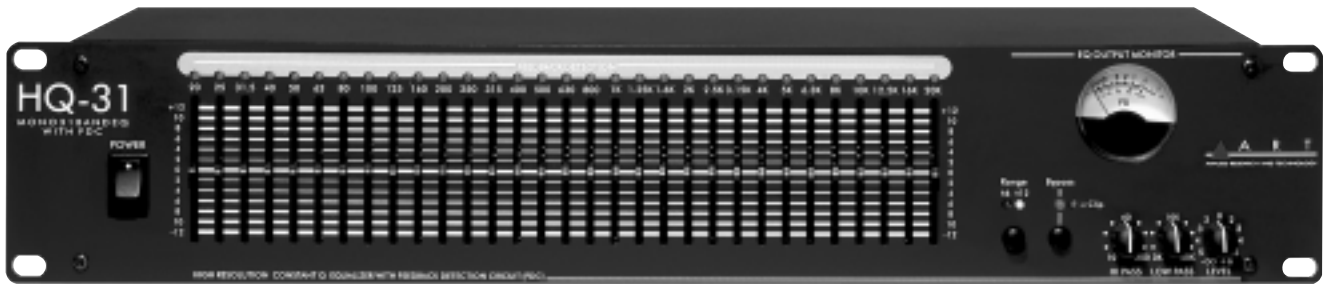


HQ-31

Single Channel 31 Band Graphic Equalizer



The HQ 31 features ART's FDC Feedback Detection Circuitry. The A R T proprietary FDC differs from similar systems in that it is extremely fast. Although it illuminates the band with the greatest energy with the brightest LED, it doesn't fully discriminate between bands and will not get "stuck" on one band when there is no signal.

The HQ 31 utilizes a set of indicators that show which of the many EQ bands has the greatest energy. The LED indicators can immediately show which band corresponds to the feedback frequency, allowing the sound engineer to reduce gain in that band to quickly kill the feedback while having a minimal impact on the sound of the live program material.

The FDC also acts as a simple spectrum viewer while the concert proceeds showing where the "hot" areas are. During system setup and sound check, the FDC may be used to help identify room and sound system resonances. By increasing the gain until feedback, it

is easy to identify those frequencies that are likely to be problems. Reducing the gain in these bands helps tune the sound system and remove problem areas before the show begins. It also helps increase the gain margin before feedback.

The unit also features constant Q circuitry, 45 mm center detent sliders with selectable boost or cut range of 6 dB or 12 dB, balanced XLR, 1/4" and unbalanced RCA input and output connections, high and low pass filters, analog level metering, variable input controls, signal clip level indicators, ground lift switch, internal power supply and selectable line voltage. The rugged, all-steel chassis occupies 2U rack spaces and is intended for installation into standard 19" equipment racks.

Check out the HQ-31 at your ART dealer today!

FEATURES:

- Single-channel 31 band graphic equalizer
- FDC-ART'S proprietary feedback detection circuitry
- Equalizer output level metering
- Constant-Q filtering
- Balanced XLR, active balanced 1/4", and unbalanced RCA input and output connectors
- +/- 6 dB OR +/- 12 dB Level adjustments
- Full 45 mm Center-Detented Frequency band sliders
- Independent level and bypass controls per channel
- Designed for years of continuous, reliable performance
- Variable High and Low Pass Filters

SPECIFICATIONS:

Dimensions	8.5" d x 19.0" w x 3.5" h
Weight	4.5 lbs. (2.5 kg)
Frequency Bands	1X31, 1/3 octave, ISO spacing
Filter Type	Constant Q -3% center accuracy
Slider Travel	45 mm with positive center detent
Range	+/-6 dB or +/-12 dB selectable
Frequency Response	20 Hz- 20 kHz, +/-0.5 dB
Signal to Noise Ratio	94 dB typical
THD + Noise	0.01%
Input/Output Connections	Active balanced XLR and 1/4" TRS {XLR pin 2, 1/4" tip = Hot (+)} Unbalanced RCA
Maximum Input Level	+22 dBm
Maximum Output Level	+18 dBm (bal), +22 dBm (unbal)
Input Impedance	20K ohms (bal), 15K ohms (unbal)
Output Impedance	< 150 ohms typical
Power (Switchable)	130 VAC, 50/60 Hz, 22 watts (USA) 190-250VAC, 50 Hz (USA)

Designed in USA
Three year warranty



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