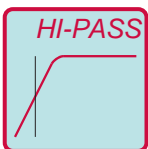


More than just equalisation...

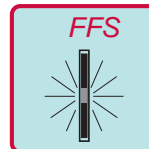
The constant Q graphic equalisers EQ-215 (dual, 2/3 octave) and EQ-230 (dual, 1/3 octave) incorporate new functions like selection of equalisation range and selective faders illumination as well as improved specifications in increased dynamic range and better filter musicality. A rear panel switch (ON-SCAN-OFF) associated with the faders illumination system warrants the adaptability to the different application fields: disk, live music, bands or monitor systems.

The equaliser EQ-230 combines in a compact 3u rack format, two 30 bands single channel graphic equalisers, two fully parametric equalisation points and a feedback finder system (FFS), giving the professionals a complete toolkit.

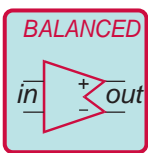
Unlike other automatic feedback destruction systems, the FFS is a simple feedback finder which allows the operator the freedom of eliminating the feedbacks while monitoring and evaluating at the same time, the effect produced on the equalisation. Included in a monitor system it helps locating the send that is causing the feedback. A delaying circuit extends the visualization time of the last feedback during a few seconds even though the real feedback situation might have ceased as it normally occurs.



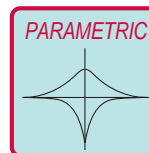
HI-PASS: Continuously variable high pass filter (10Hz-300Hz) in order to delimit the bandwidth. This filter is of great utility when miking string instruments, voices and to control low frequency feedback,...



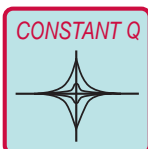
FFS: Feedback finder system (only EQ-230). A microprocessor associated with each channel scans the whole spectrum in order to detect and display possible feedbacks. Direct LED fader indication.



BALANCED: Equipped with electronically balanced input and output circuits for noise immunity in long cabling set-ups.



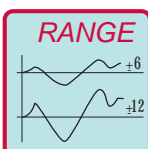
PARAMETRIC: Incorporates a totally parametric equalization point on each channel (only EQ-230). The range is asymmetric (+15dB, -30dB) allowing notch filter adjustments.



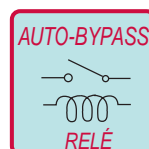
CONSTANT Q: The constant Q topology assures minimum interaction between bands and makes the bandwidth of each filter independent of the gain/attenuation setting.



LOW NOISE: The use of very low noise circuits and other techniques permit achieving an exceptional dynamic range.



RANGE: Global selection of the range of gain/attenuation of each band for a more precise adjustment. Front panel Indication by double LED.

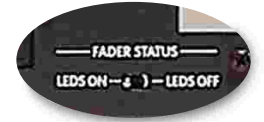


AUTO-BYPASS: Incorporates secure by-pass circuits controlled by relay for the on/off switch transients elimination and for signal integrity in the case of internal failures.

EQ -215 FRONTVIEW



EQ -215 REAR VIEW

ON/OFF LED
switchFFS
ON/OFF/SC.
N switchFeedback
finder system
(FFS) LED
fader detail

GRAPHIC EQUALISERS

EQ-215/EQ-230



EQ -230 FRONTVIEW



EQ -230 REAR VIEW

TECHNICAL SPECIFICATIONS

NUMBER OF BANDS:

EQ-215: - 15+15 bands, 2/3 octave, ISO standard.
EQ-230: - 30+30 bands, 1/3 octave, ISO standard.

FILTERS TYPE:

Band-pass. constant Q.

CENTRE FREQUENCIES:

Better than $\pm 4\%$ of nominal.

CUT/BOOST:

Selectable between ± 12 and ± 6 dB by means of the range switch.

HIGH PASS FILTER (HPF):

12 dB/octave, sweepable frequency 10Hz - 300Hz.

PARAMETRIC FILTER:

GAIN: Adjustable between +15 and -30 dBu.
FREQUENCY: Adjustable between 32Hz and 16KHz.
Q: Adjustable between 0,5 and 10.

CHANNEL SEPARATION:

Greater than 75 dB (20Hz - 20KHz).

GAIN/ATTENUATION:

+6 dB. -∞. Level control by calibrated rotatory potentiometer.

DISTORTION:

Less than 0,01% at 0 dBu (20 Hz - 20 KHz).

MAXIMUM INPUT LEVEL:

+21 dBu (with all controls flat).

INPUT IMPEDANCE:

10 K Ω unbalanced.
20 K Ω balanced.

COMMON MODE REJECTION RATIO (C.M.R.R.):

Greater than 65 dB (20Hz - 20KHz).

MAXIMUM OUTPUT LEVEL:

+21 dBu over 600 Ω (0,1% THD).

OUTPUT IMPEDANCE:

100 Ω unbalanced.
100 Ω balanced.

SIGNAL TO NOISE RATIO:

Greater than 115 dB ref. +20 dBu unweighted (20Hz - 20KHz).

FREQUENCY RESPONSE:

20Hz - 40KHz. (+0, -0,5 dB)

POWER SUPPLY:

Selectable between 115 and 230VAC $\pm 12\%$, 50-60Hz.

NET WEIGHT:

EQ-215: - 4,5 Kg.
EQ-230: - 6,0 Kg.

DIMENSIONS:

EQ-215: - 483x89x200 mm. (19" x 3 1/2" x 7 7/8").
EQ-230: - 483x123x200 mm. (19" x 4 6/7" x 7 7/8").

POWER REQUIREMENTS:

EQ-215: - 30VA
EQ-230: - 40VA

Specifications subject to change without previous notice..

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