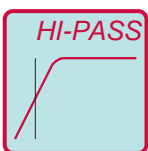


## More than just equalisation...

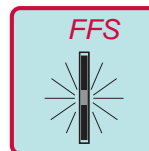
The constant Q graphic equalisers EQ-215 (dual, 2/ 3 octave) and EQ-230 (dual, 1/ 3 octave) incorporate new functions like selection of equalisation range and selective faders illumination as well as improved specifications in increased dynamic range and better filter musicality. A rear panel switch (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.

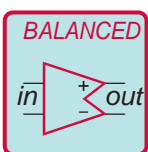
Unlike other automatic feedback destruction systems, the FFS is a simple feedback finder which allows the operator the freedom of eliminating the feedbacks while monitoring and evaluating at the same time, the effect produced on the equalisation. Included in a monitor system it helps locating the send 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.



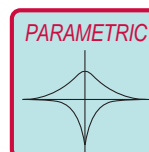
**HI-PASS:** Continuously variable high pass filter (10Hz-300Hz) in order to delimit the bandwidth. This filter is of great utility when miking string instruments, voices and to control low frequency feedback,...



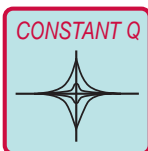
**FFS:** Feedback finder system (only EQ-230). A microprocessor associated with each channel scans the whole spectrum in order to detect and display possible feedbacks. Direct LED fader indication.



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



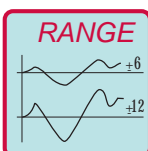
**PARAMETRIC:** Incorporates a totally parametric equalization point on each channel (only EQ-230). The range is asymmetric (+15dB, -30dB) allowing notch filter adjustments.



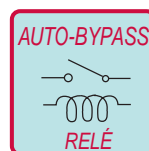
**CONSTANT Q:** The constant Q topology assures minimum interaction between bands and makes the bandwidth of each filter independent of the gain/attenuation setting.



**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 switch



FFS ON/OFF/SC. N switch



# GRAPHIC EQUALISERS

## EQ-215/EQ-230

Feedback finder system (FFS) LED fader detail



EQ -230 FRONTVIEW



EQ -230 REAR VIEW

# TECHNICAL SPECIFICATIONS

<b>NUMBER OF BANDS:</b> EQ-215: - 15+15 bands, 2/3 octave, ISO standard. EQ-230: - 30+30 bands, 1/3 octave, ISO standard.	<b>OUTPUT IMPEDANCE:</b> 100 Ω unbalanced. 100 Ω balanced.
<b>FILTERS TYPE:</b> Band-pass. constant Q.	<b>SIGNAL TO NOISE RATIO:</b> Greater than 115 dB ref. +20 dBu unweighted (20Hz - 20KHz).
<b>CENTRE FREQUENCIES:</b> Better than ±4% of nominal.	<b>FREQUENCY RESPONSE:</b> 20Hz - 40KHz. (+0, -0.5 dB)
<b>CUT/BOOST:</b> Selectable between ±12 and ±6 dB by means of the range switch.	<b>POWER SUPPLY:</b> Selectable between 115 and 230VAC ±12%, 50-60Hz.
<b>HIGH PASS FILTER (HPF):</b> 12 dB/octave, sweepable frequency 10Hz - 300Hz.	<b>NET WEIGHT:</b> EQ-215: - 4,5 Kg. EQ-230: - 6,0 Kg.
<b>PARAMETRIC FILTER:</b> <i>GAIN:</i> Adjustable between +15 and -30 dBu. <i>FREQUENCY:</i> Adjustable between 32Hz and 16KHz. <i>Q:</i> Adjustable between 0,5 and 10.	<b>DIMENSIONS:</b> 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").
<b>CHANNEL SEPARATION:</b> Greater than 75 dB (20Hz - 20KHz).	<b>POWER REQUIREMENTS:</b> EQ-215: - 30VA EQ-230: - 40VA
<b>GAIN/ATTENUATION:</b> +6 dB. -∞. Level control by calibrated rotatory potentiometer.	Specifications subject to change without previous notice..
<b>DISTORTION:</b> Less than 0,01% at 0 dBu (20 Hz - 20 KHz).	DISTRIBUTED BY
<b>MAXIMUM INPUT LEVEL:</b> +21 dBu (with all controls flat).	
<b>INPUT IMPEDANCE:</b> 10 KΩ unbalanced. 20 KΩ balanced.	
<b>COMMON MODE REJECTION RATIO (C.M.R.R.):</b> Greater than 65 dB (20Hz - 20KHz).	
<b>MAXIMUM OUTPUT LEVEL:</b> +21 dBu over 600 Ω (0,1% THD).	



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