

# XQP 531 Optical De-esser

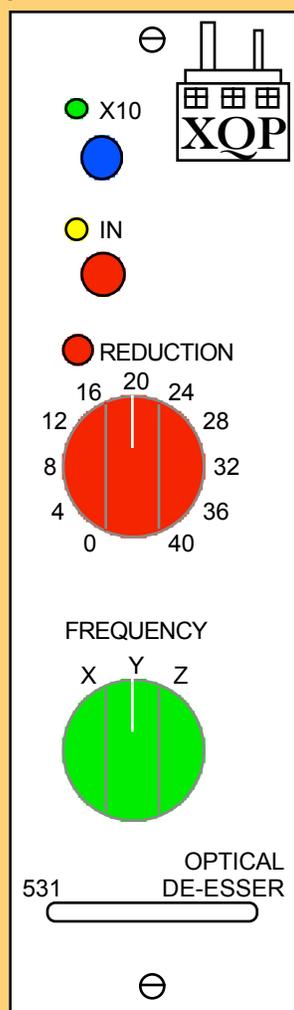
500 Series VPR Module

The XQP 531 Optical De-esser provides smooth, non-destructive de-essing in the convenient VPR format. Dual VACTROL optoisolators insure consistent optical gain reduction when sibilance is present. The 531's sidechain utilizes a high pass filter with three selectable corner frequencies (rather than a narrow bandpass filter), so sibilance occurring at different frequency points can be effectively reduced.

The 531 is built with high-quality Analog Devices opamps in the signal path.

The XQP 531 is a recreation of the original Dane Optical De-esser #31 designed and manufactured in the 1990's.

Minor circuitry adjustments have been made to enhance stability and consistency.



## X10 switch

Increases sidechain sensitivity by 10  
Green LED indicates X10

## IN switch

Silently activates de-essing  
Yellow LED indicates IN

## REDUCTION potentiometer

Adjusts the amount of sibilance reduction  
Red LED lights with de-essing action

## FREQUENCY switch

Provides 3 corner frequency choices  
for the sidechain's high pass filter



## SPECIFICATIONS

Input impedance: 43K $\Omega$  balanced  
Output impedance: 50 $\Omega$  balanced  
Frequency response: 4Hz - 90KHz (-3dB)  
Max. output level: 22dBu  
THD: <0.002% @ 1KHz  
Noise: -80dBm, unweighted  
Attack time: 10msec.  
Release time: 18msec.  
Current requirement: 86mA @  $\pm$ 16VDC



XQP

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