

# FULL RANGE EQUALIZER

*smooth valve equalization*



## EQ 1A(M)

The TUBE-TECH EQ 1A is a full range one channel unit, featuring low and high cut, low and high shelving as well as three overlapping bands of equalization.

### Product Description

The TUBE-TECH EQ 1A is a full range one channel unit, featuring low & high cut, low & high shelving and three overlapping bands. The cut filters are designed around unity gain amplifiers and the shelving and the bell filters are designed around two tube operational amplifiers.

The unit is all tube based except for the power supply. Input and output have fully floating transformers.

All DC voltages are stabilized, except the anode voltage for the output stage.

Optional **Master Version** available:

The EQ 1A Equalizer can be fitted with 12 position rotary switches instead of pots for even more precise settings.

Please specify EQ 1AM when ordering.

### Product Features

- ▶ Low cut @ 16, 25, 40, 90 or 130 Hz  
6 dB or 12 dB/octave slope
- ▶ Low shelving @ 22, 32, 45, 70, 100 or 150 Hz  
+/- 15 dB gain
- ▶ Bandfilter w. +/- 20 dB gain & variable bandwidth  
Band 1: 40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400 or 500 Hz  
Band 2: 0.315, 0.5, 0.5, 0.63, 0.8, 1, 1.25, 1.6, 2, 2.5 or 3.15 kHz  
Band 3: 1.6, 2, 2.5, 3.15, 4, 5, 6.3, 8, 10, 12.5, 16 or 20 kHz
- ▶ High cut @ 6.3, 8, 10, 12, 18 or 25 kHz  
6 dB or 12 dB/octave slope
- ▶ High shelving @ 4, 6, 8, 12, 18 or 20 kHz  
+/- 15 dB gain
- ▶ All switches gold plated
- ▶ Conductive plastic potentiometers
- ▶ Frequency response: 5 Hz to 60 kHz
- ▶ Very low noise: < -85 dBu
- ▶ Master bypass with clickless relay
- ▶ All 7 sections with separate in/out switch

# EQ 1A(M) *technical specifications*



## Impedance

Input:	> 600 ohm
Output:	< 60 ohm

**Frequency response @ -3 dB:** 5 Hz to 80 kHz

## Distortion THD+N @ 40 Hz

	0 dBu	< 0,10 %
	+10 dBu	< 0,10 %
Max. output:	+26 dBu	< 1 %
Max. input:	+21 dBu	< 1 %

## Noise Rg=200 ohm

22 Hz-22 kHz:	< -85 dBu
CCIR-468-4:	< -75 dBu

**CMRR @ 10 kHz:** < -60 dB

**Gain** 0 dB

## Tubes

ECC 81	3 pcs
ECC 82	1 pcs
ECC 83	3 pcs

## Dimensions

Height: 2 units	88 mm	3,5"
Width:	483 mm	19,0"
Depth:	205 mm	8,1"

## Weight

Net:	5,5 kg	12,1 lbs.
Shipping:	6,9 kg	15,2 lbs.

## Power requirements

@ 115 V/230 V, 50-60 Hz:	30-45 W
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## Notes

All specifications @ R<sub>L</sub>=600 ohm  
Lydkraft reserves the right to alter specifications without prior notice

## Dealer