

TUBE- TECH

Recording Channel

MEC 1A



Mic. Preamp

- Gain from +20dB to +70dB. . -20dB pad.
- Phantom power +48V. . Lowcut filter.
- Phase reverse. . DI input impedance >1 M_Ω

Equalizer

- Low shelving at 6 frequencies. . High shelving at 6 frequencies.
- Band filter at 12 frequencies (bell type).

Compressor

- Optical gain reduction element. . Variable attack and release.
- Linkable for stereo application. . Ratio 1,5:1 to 10:1

General

- . Equalizer and compressor fitted with separate in/out switch.
- . Equalizer and compressor swap with clickless relay.
- . VU meter showing output or compression.
- . Output gain (+10dB).
- . Very low noise: <-85 dBU. . All switches gold plated.
- . Freq. resp.: 5Hz to 60kHz. . Conductive plastic pots.

Description

The TUBE-TECH MEC 1A recording channel is single channel unit, featuring Mic Preamp, equalizer and compressor. The shelving and the bell filters are designed around a tube operational amplifier. 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.

Specifications

All specifications at RL = 600 Ω.

Lydkraft reserves the right to alter specifications without prior notice

Mic. Preamp:

Gain: (20-30-40-50-60dB)(0 to 10dB, 1 db step)
20dB to 70 dB
Input impedance: > 1200

DI:

Gain: (10-20-30-40-50dB) (0 to 10dB, 1db step)
10dB to 60 dB
Input impedance: > 1 M/82pF

Lowcut filter: 20Hz/12dB oct. 40Hz/ 6dB oct.

Output impedance: < 60

Distortion (THD+n @ 40 Hz):

0dBu: <0,10%

10dBu: <0,10%

max. output (1 % THD+n): > +26 dBu

Tubes: 3x ECC81 , 1x ECC82, 3x ECC83

Dimensions: H: 2 units, W: 19", D: 205 mm

Weight: 5,5kg

Power requirements:

(115V /230V, 50-60Hz): 30 W

Noise (Rg=200 Ω):

Gain: 20dB 60dB

22Hz-22kHz: < -82 dBU < -60 dBU

CCIR-468-4: < -72 dBU < -50 dBU

Frequency response(-3d B): 15 Hz - 80 kHz

CMRR (@ 10kHz): < -60dB

FILTERS:

Low shelving: 20, 30, 50, 70, 100, 160Hz

Gain: +/- 15dB

Band: 40, 60, 80, 130, 250, 500Hz, 1 kHz

1.6kHz, 2.5kHz,4.0k, 7kHz, 10kHz

Gain: +/- 20dB(BWsharp) +/-12dB(BWbroad)

High shelving: 4.0,6.0,8.0,12,18, 26kHz

Gain: +/-15dB

Compressor:

Ratio: 1,5:1 to 10:1

Threshold: -20 to off

Attack: 1 mS to 100mS

Release: 60mS to 2S

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