

TUBE- TECH Microphone Pre-amplifier MP-1A



Gain from +20 dB to +70 dB in 5 dB steps.
 Pad in front of input transformer (-20 dB).
 Tube (valve) push-pull output-amplifier.
 CMRR >60 dB @10 kHz.
 Microphone input impedance = 1200 Ω
 DI input impedance >1 M Ω
 Built-in 48V phantom-power.
 Noise figure typical 5 dB @ 200 Ω
 Frequency-response 15 Hz to 60 kHz (-3 dB).
 Jack-socket DI-inputs for various instruments.

Description

This combined dual microphone preamplifier/DI amplifier contains two independent amplifiers for microphones or instruments. The microphone inputs are balanced providing switchable 48 V phantom power and a switchable -20 dB pad. Gain is adjustable in 5 dB steps from +20 dB to +70 dB. The DI-inputs are unbalanced with a gain ranging from +10 dB to +60 dB. No pad provided. The amplifiers are all tube (valve) based and the heaters are fed DC-voltage to avoid hum. All transformers (except the main transformer) are enclosed in mu-metal cans. Input and output transformers come with a static-screen between primary and secondary windings. Microphone inputs and outputs are balanced, and are fully floating.

Specifications

All specifications at RL = 600 Ω .

Lydkraft reserves the right to alter specifications without prior notice

	MIC	DI
Input impedance:	1200	>1 M
Output impedance:		<60
Gain:	0-70 dB	10-60 dB
Distortion (THD @ 40 Hz):		
0 dBm:		< 0.2 %
+10 dBm:		< 0.2 %
Max. output (THD 1 %):		> +26 dBm
Max. input (THD 1 %):	> +10 dBu	> 0 dBu
Noise (Rg= 200 Ω)		
Gain:	+20 dB	+60 dB
	+20 dB	+60 dB
Unweighted:	< -85 dBm <-60 dBm	< -75 dBm <-40 dBm
CCIR 468-3:	< -75 dBm < -50 dBm	< -65 dBm <-30 dBm
Frequency response:	Lower: < 5 Hz Upper: > 60 kHz	
CMRR (@ 10 kHz):	> 60 dB	Not applicable
Tubes:	2 x ECC 82 4 x ECC 83	
Dimensions:	Width: 19 inch	Height: 2 units Depth: 165 mm
Shipping weight:	6.1 kg	
Power requirements:	230V /115V, 50-60 Hz:	30-45 W

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