

PICCOLO ZERO

Transimpedance Head Amplifier



Made in USA

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Description

Piccolo Zero is a transimpedance headamp designed to operate MC cartridges in current mode (zero input impedance). This mode is desirable for its improved tracking ability resulting in lower distortion and well controlled sonic presentation. There are four levels of gain, selected by internal switches. Use with any MM phonostage.

Specifications

Item	Specification
Loading	0 Ohms
Gain	53, 69, 110, 220 Ohms (uV/uA)
Output Impedance	330 Ohm
Bandwidth	DC to >1MHz
Power	24Vdc

Gain

Switches	Gain (uV/uA)		
0	220		
1	110		
2	69		
1 + 2	53		

You can estimate required *Gain* using this formula, where *Rc* is internal resistance of cartridge plus that of tonearm wires and *Vc* is cartridge output voltage expressed in mV:

 $Gain = 5 \cdot Rc / Vc$

The following chart gives approximate Gain values for a given cartridge replacing a given SUT. For example, 20dB gain with a 10 Ohm cartridge, use Gain = 100.

SUT		Cartridge Resistance (Ohms)		
Ratio	dB	5	10	20
1:5	14	25	50	100
1:10	20	50	100	200
1:20	26	100	200	400
1:30	30	150	300	600

