

Предусилители серии YG



Показатель	Ед. Изм.	YG-201	YG-401
Диаметр	дюйм	1/2"	1/4"
Частотный диапазон (Ref.250Hz)	Гц	10Hz ~ 110kHz ±0.2dB	16Hz ~ 110kHz ±0.2dB
Ослабление сигнала	дБ	0.3	0.45
Входной импеданс	Ом	10	5
Выходной импеданс	Ом	<100	<100
Максимальное выходное напряжение	В (скз)	5	3
Внутренний шум	мкВ	A Weighted <3.0 Linear 20Hz-22.0kHz <7.0	A Weighted <5.0 Linear 20Hz-22.4kHz <10.0
Питание	мА	2mA ~ 20mA Constant Current Source (4mA recommended)	2mA ~ 20mA Constant Current Source (4mA recommended)
Разъем	—	BNC	SMB
Длина	мм	70	58
Температурный диапазон	°C	-25 ~ +75 (Industrial) -40 ~ +120 (Military)	-25 ~ +75 (Industrial) -40 ~ +120 (Military)
Влажность	RH,%	0 ~ 98	0 ~ 98

YG Series Preamplifiers

YG series preamplifier with high input impedance, high dynamic range, low noise, low power and phase coherence.

There are two kinds of power supply: 4mA constant current power supply and DC power supply.

Constant current power supply is simple, easy to use, can be used with NI data acquisition card and other acoustic dedicated direct connection. Signal is transmitted by coaxial cable, better electromagnetic shielding effect signal, can be transmitted in long distances, BNC-BNC connector cable, 1kHz signal transmission loss is less than 0.1dB.

There are two kinds of DC power supply: 1) 12V DC power supply, with high input resistance, low noise, low power consumption, use of military standard device, suitable for long-term outdoor acoustic detection. 2) 120V DC power supply with 200V polarization voltage, suitable for high-noise measurements.



Specifications	Units	YG-201	YG-401	YG-221	YG-203
Diameter		1/2"	1/4"	1/2"	1/2"
Frequency Response (Ref. 250Hz)	Hz	10Hz ~ 110kHz ±0.2dB	16Hz ~ 110kHz ±0.2dB	10Hz ~ 70kHz ±0.2dB	6.3Hz ~ 100kHz ±0.2dB
Signal Attenuation	dB	0.3	0.45	No attenuation, can be amplified	0.2
Input Resistance	G.Ω	10	5	10	10
Output Resistance	Ω	<100	<100	<30	<30
MaxOutput Voltage	Vrms	5	3	3	30
Background noise	μV	A weighted <3.0 Linear 20Hz-22.4kHz <7.0	A weighted <5.0 Linear 20Hz-22.4kHz <10.0	A weighted <3.0 Linear 20Hz-22.4kHz <7.0	A weighted <5.0 Linear 20Hz-22.4kHz <10.0
Power Supply		4mA constant current power (4mA recommended)		12V DC	120V DC
Output connector		BNC	SMB	3 cores cable	7 cores EMO
Length	mm	70	58	53	110
Operation temperature	°C	-25 ~ +75 (Industrial) -40 ~ +120 (Military)	-25 ~ +75 (Industrial) -40 ~ +120 (Military)	-25 ~ +75 (Industrial) -40 ~ +120 (Military)	-25 ~ +75 (Industrial) -40 ~ +120 (Military)
Operation humidity	RH, %	0 ~ 98	0 ~ 98	0 ~ 98	0 ~ 98

PM20A/B and PM4-16 multiple channels signal conditioner

PM20A is two channels low-noise 4mA constant current power supply. PM20B not only provides 4mA constant current, but also signal offers amplifying, attenuation and anti-aliasing filtering.

PM4-16 is 4-16 channels signal conditioner and supplied by 12V DC which can provide 4mA constant current and 12V DC.



Properties parameters of PM20A constant current power supply:

Channels	2
Signal input and output connector	BNC
Gain	0dB
Frequency Range	5Hz-100kHz, 0.2dB
Constant current power supply	4mA, 24V
Max Input Signal	20Vp-p
Indicator	Power Indicator: Green-Normal, Red-low battery; Signal Indicator: Green-Normal, Indicator off-open circuit
Power supply	4 AA batteries or rechargeable batteries
Dimension	175 × 92 × 45mm
Warranty	Three years