

Differential Preamp

ADA400A

Characteristics

Gain - X100, X10, X1, X01.

CMRR - $\geq 100,000$: 1 DC - 10 kHz.

Gain	CM Range	Differential Range* ¹	MAX Offset
100	± 10 V	0.1 V	± 1.0 V
10	± 10 V	1 V	± 1.0 V
1	± 40 V	10 V	± 40 V
0.1	± 40 V	80 V	± 40 V

*¹ For higher voltages, attenuating probes may be used, but CMRR performance will be degraded.

Bandwidth Limits - 100 Hz, 3 kHz, 100 kHz, full (≥ 1 MHz).

Input Impedance - 1 megaohm || ~ 50 pF (infinity Ohm selectable in 100X and 10X gains).

Noise - Typically ≤ 30 μ V RMS @ X100 gain (referred to input).



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