Nanopower Op Amp Consumes Less than 560 nW

National Semiconductor Offers a nanopower op amp that offers a low power consumption of 552 nW, with operation down to 1.6 V. The PowerWise LPV521 is appropriate for portable equipment and low power applications including wireless remote sensors, power-line monitoring, and micropower oxygen and gas sensors. It features a supply voltage range from 1.6 V to 5.5 V with a maximum supply current of 0.4 µA. Its wide-input common-mode voltage range accepts input signals 100 mV beyond each rail, enabling direct connection to several sensor types. In addition, the LPV521's maximum 1 mV input offset voltage (Vos) and 3.5 µV per degree C of input offset voltage drift (TCVos) enable accurate and stable measurement for both high-side and low-side current sensing.

National Semiconductor
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