Sixteen-Volt Op Amps for Industrial, Instrumentation and Consumer Applications

Analog Devices' AD8663 is a 16-V precision, low noise, rail-to-rail op amp that uses the company's DigiTrim in-circuit trimming technology to achieve low offset voltage, 90 dB CMRR (common mode rejection ratio), and 105 dB PSRR (power supply rejection ratio). Its maximum voltage offset drift is 450 µV at 125°C over a wide input range. In addition, the AD8663 consumes 180 µA while keeping low-frequency voltage noise at 21 nV/rt-Hz. It is suited for pressure, temperature and fiber-optic sensors, portable industrial tools and other applications where accuracy must be maintained over fluctuating environmental conditions. The AD8638 is a 16-V zero-drift precision op amp designed for industrial instrumentation, automotive and sensor applications that must accommodate wide variations in temperature, power supply, load and input signal without introducing signal conditioning errors. The op amp extends the operating voltage and temperature range for both single- and dual-supply applications and combines the iCMOS industrial manufacturing process with the company's auto-zero and low-drift technologies. The result is a device with 140 dB CMRR and 140 dB PSRR. It features a 10 µV offset voltage over temperature and a maximum offset drift of 80 nV/°C, alleviating the need for additional circuitry.
Analog Devices
800-262-5643, www.analog.com [1]

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