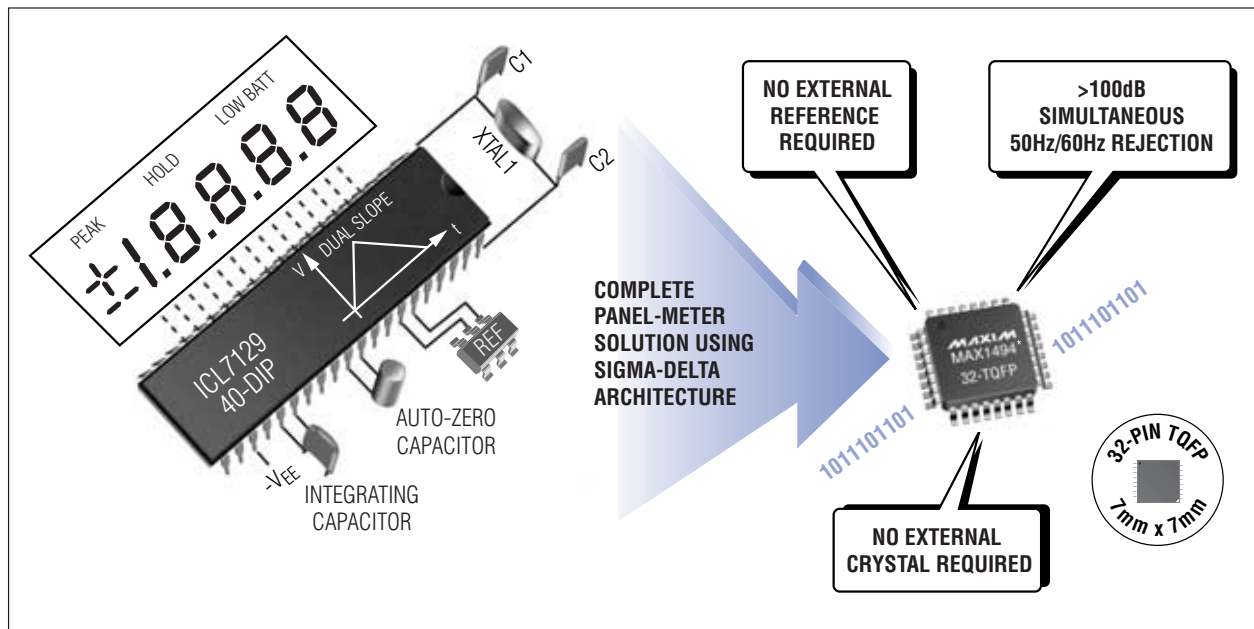


## World's Smallest 3<sup>1</sup>/<sub>2</sub>- and 4<sup>1</sup>/<sub>2</sub>- Digit ADCs with LCD Display Driver

Compared with earlier panel-meter ADC solutions, Maxim's new sigma-delta-based panel-meter ICs provide higher integration and performance in a tiny 7mm × 7mm TQFP. Eliminating the need for an external precision integrating capacitor, auto-zeroing capacitor, and external clock source, they provide >100dB of 50Hz/60Hz noise rejection using a single 2.7V to 5.25V supply. An internal 2.048V, 20ppm/°C reference further reduces the external component count. Optional SPI™/QSPI™/MICROWIRE™ allows the result to be processed by a μC before outputting to the display.



- **Eliminates Integrating/ Auto-Zero Capacitors**
- **2.7V to 5.25V Single-Supply Operation**
- **Up to 10x Footprint Reduction**

- **SPI/QSPI/MICROWIRE Interface (MAX1491/1494) Allows Measurements to Be Processed Using a μC**

Part	Display	Digits	Resolution (Count)	Interface	Pin-Package
MAX1491*	LCD	3 <sup>1</sup> / <sub>2</sub>	±1999	Serial	28-TSSOP
MAX1492*	LCD	3 <sup>1</sup> / <sub>2</sub>	±1999	Stand-Alone	28-TSSOP
MAX1493*	LCD	4 <sup>1</sup> / <sub>2</sub>	±19999	Serial	32-TQFP
MAX1494*	LCD	4 <sup>1</sup> / <sub>2</sub>	±19999	Stand-Alone	32-TQFP

\*Future product—contact factory for availability.

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