



New Product Announcement

Texas Instruments' MSP430FR504x Microcontrollers for Ultrasonic Flow Meters Now at Mouser

June 10, 2019 – [Mouser Electronics](#), Inc., the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now stocking the [MSP430FR504x](#) ultrasonic sensing microcontrollers from [Texas Instruments](#) (TI). Part of the TI [MSP430](#)™ ultrasonic sensing microcontroller family, the powerful and highly integrated devices are designed for measuring flow in ultrasonic water, heat, and gas [meters](#) and flow transmitters.

The [TI MSP430FR504x](#) microcontrollers, available from Mouser Electronics, integrate an Ultrasonic Sensing Solution (USS_A) module that provides high accuracy for a wide range of flow rates. The MSP430FR504x microcontrollers can measure a maximum water flow rate of 8,800 liters per hour, achieving ± 1 percent accuracy with a wide dynamic range of 500-to-1. The maximum gas flow rate is 12,000 liters per hour, with ± 1 percent accuracy and a wide dynamic range of 200-to-1. The microcontrollers also offer optimized [ultra-low-power](#) modes such as active mode, standby mode with real-time clock (RTC), and shutdown.

The MSP430FR604x microcontrollers family integrates TI's ferroelectric RAM (FRAM) and a holistic ultra-low-power MSP system architecture, allowing system designers to increase performance while lowering energy consumption. The microcontrollers are supported by extensive MSP430 FRAM hardware and software ecosystem with thousands of existing software libraries, reference designs, application notes, and driver framework to simplify development across the portfolio.

To learn more, visit www.mouser.com/ti-msp430fr504x-ultrasonic-sensing-mcus.

With its broad product line and unsurpassed customer service, Mouser strives to empower innovation among design engineers and buyers by delivering advanced technologies. Mouser stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is continually updated and offers advanced search methods to help customers quickly locate inventory. Mouser.com also houses data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

About Mouser Electronics

Mouser Electronics, a Berkshire Hathaway company, is an award-winning, authorized semiconductor and electronic component distributor focused on rapid New Product Introductions from its manufacturing partners for electronic design engineers and buyers. The global distributor's website, Mouser.com, is available in multiple languages and currencies and features more than 5 million products from over 750 manufacturers. Mouser offers 25 support locations around the world to provide best-in-class customer service and ships globally to over 600,000 customers in more than 220 countries/territories from its 750,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit www.mouser.com.

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