

For immediate release

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## **Emerson Expands Liquid Turbine Meter Family to Provide Accurate Flow Measurement in Mobile Fuel Operations**

*Innovative Daniel® Series 500 Liquid Turbine Flow Meter with integrated electronics provides accurate flow measurement in truck off-loading*

HOUSTON, Texas (March 30, 2009) -- Emerson Process Management today introduced the new Daniel® Series 500 Liquid Turbine Flow Meter. This portable flow meter serves the need for highly accurate flow measurement in tanker truck off-loading and can be used as a check meter at loading points in marketing terminals.

Precisely engineered for easy installation, the compact, lightweight design of the Series 500 Liquid Turbine Meter is ideal for easy mating to road tanker trucks using quick connect camlock couplers. It can also be mounted to loading arms to monitor the performance of other meters during loading operations in marketing terminals, and easily removed when the verification is complete.

High accuracy measurement is achieved by using a bladed rotor that turns at a speed proportional to rate of flow. The rotation of the rotor is sensed by electrical pickoffs mounted on the meter body. The resultant signal is used as an input to the intrinsically safe electronic totalizer, which displays flow rate and total volume. All electronics are located in the water-tight aluminum housing and are easily accessible from the outside.

Daniel Series 500 Liquid Turbine Meter is versatile and adds a new level of reliability and uptime availability to the measurement of various refined and light hydrocarbon products, including gasoline and diesel fuels. It is offered in 3" and 4" line sizes with extended flow range of 65 to 650 GPM and 100 to 1000 GPM respectively, assuring high flow rates and repeatability under pressure of a full line of liquid.

"There is a continuing demand for accurate invoicing in truck off-loading operations," said Dave Seiler, measurement and control marketing director, Daniel division of Emerson Process Management. "This cost-effective meter is battery powered, easy to maintain and offers more measurement capabilities in mobile fuel operations than traditional methods, including dipsticks, tank gauges and Positive Displacement (PD) meters."

With today's volatile oil prices, any small measurement error can raise financial havoc on either end of the transaction. Daniel Series 500 Liquid Turbine Meter meets the demand

for accurate fuel measurement in gasoline stations and marketing terminals, where the measured amount transferred defines payment price and thousands of dollars worth of lost production can pass undetected in minutes.

### **About Emerson Process Management**

Emerson Process Management ([www.emersonprocess.com](http://www.emersonprocess.com)), an Emerson business, is a leader in helping businesses automate their production, processing and distribution in the chemical, oil and gas, refining, pulp and paper, power, water and wastewater treatment, mining and metals, food and beverage, pharmaceutical and other industries. The company combines superior products and technology with industry-specific engineering, consulting, project management and maintenance services. Its brands include PlantWeb®, Fisher®, Rosemount®, Micro Motion®, Rosemount Analytical®, Bristol®, Daniel®, DeltaV™, Ovation®, and AMS® Suite.

### **About Emerson**

Emerson (NYSE: EMR), based in St. Louis, Missouri (USA), is a global leader in bringing technology and engineering together to create innovative solutions for customers through its network power, process management, industrial automation, climate technologies, and appliance and tools businesses. Sales in fiscal 2008 were \$24.8 billion. For more information, visit [www.Emerson.com](http://www.Emerson.com).

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