

**Product Overview Sheet**

**ELITE® with Enhanced Core Processor**



**Industry Applications for ELITE with Enhanced Core Processor and 2400S Transmitter**

**Oil & Gas**

Refining  
Custody Transfer  
Oil Field Services

**Chemical**

Personal Care Products  
Fine & Specialty  
Basic, Bulk, Petrochemical

**Life Sciences**

Pharmaceutical  
Biopharmaceutical

**Food & Beverage**

Brewing  
Beverages  
Processed Food  
Dairy

**OEM**

Asphalt

**Quick Product Facts**

- Best performing Coriolis meter on the market today - without exception
- Mass and volume flow accuracy up to  $\pm 0.05\%$
- Density accuracy up to  $\pm 0.0002$  g/cc
- Immune to changing conditions and pipe loading
- Able to handle entrained gas and empty-full-empty batching
- Factory zero: no need to adjust
- Self diagnostic capability to verify meter performance

**Competitor Snapshot**

Non-Coriolis: Ultrasonic, PD, dP, Vortex, Mag, Thermal Mass

Coriolis: **None!**

**Micro Motion® ELITE®:  
The Truly Unchallengeable Coriolis Meter**



For customers, it's not enough to simply deliver - differentiation comes in delivering beyond expectation.

The newest Micro Motion® ELITE® meters deliver customers unparalleled capability and power with a new enhanced core processor and, when coupled with the 2400S transmitter, ELITE offers customers capability not available from any other Coriolis supplier - the ability to diagnose meter performance and health, without taking the meter out of line.



**Exceptional Measurement Accuracy**

ELITE meters now offer a mass and volume flow accuracy of  $\pm 0.05\%$  of flow rate, and a density accuracy of  $\pm 0.0002$  g/cc - no other meter in the market provides this level of accuracy. Where precision measurement is critical, such as chemical dosing and high-value custody transfer, ELITE is the perfect choice.

**Transient Flow Capability**

ELITE with enhanced core processor can handle the transient flow conditions of entrained gas and empty-full-empty batching, including truck and rail car filling, without the need for air eliminators or expensive troubleshooting. New technology enables meters to not stall and, instead, keep working through process disturbances. The result for customers is reduced process waste, improved product quality, and the elimination of costly process interruptions leading to less downtime. The expertise from understanding transient flow conditions, coupled with the leading Coriolis technology, makes Micro Motion ELITE transient flow capability the best available.

**Meter Versatility and Stability**

ELITE with enhanced core processor offers customers a meter that is unaffected by field conditions, works out of the box, tolerates wide variations in ambient temperatures, can handle pipe and mounting stress, and has the ability to operate when under transient flow conditions. For customers, this means there is no need for to adjust the meter zero that was set at the factory. The efficiency, savings, and improved throughput this offers customers is substantial.

**Diagnose Meter Health**

In addition to the above benefits, Micro Motion ELITE with enhanced core processor and the 2400S transmitter offer customers a one-of-a-kind and proprietary method to compare sensor performance to original factory values. Meter Verification software allows customers to now verify meter performance without secondary references or removing the meter from the line. The tool can be used as often as desired with virtually no impact on the process (outputs will be fixed with no reporting of process data for about five minutes). For customer processes required to regularly verify and document meter performance, such as pharmaceutical and custody transfer, this tool can literally save thousands from their operating costs.

**Summary of advantages the Micro Motion ELITE with 2400S Transmitter offers customers**

- Highest possible mass, volume or density measurement accuracy available today
- Ability to handle difficult applications of entrained gas and empty-full-empty batching resulting in no need for air eliminators or expensive troubleshooting procedures
- No need to adjust the factory-set zero because of meter immunity to field effects, changing processes, or variations in ambient temperatures
- Diagnose meter health and sensor performance without removing the meter from the line or the need for secondary references

**OPEX/CAPEX Benefits Highlights**



[www.micromotion.com](http://www.micromotion.com)  
Tel: 800.522.6277 (U.S.)  
Tel: 303.527.5200 (International)

