



## MEASUREMENT INSTRUMENTATION

# Dual-Viscosity Modernization

*Reduce Diluent Costs with Improved Viscosity Blending*

### Challenges

Traditional dual-viscosity systems (DVS) utilizing a 7950 signal converter and 7827 viscometers have reached product maturity. While these systems continue to provide reliable and accurate ASTM D341 referred viscosity in pipeline blending applications, parts and repair services are no longer available, creating an exposure in the event of a device failure.

### Solution

Dual-viscosity modernization makes full use of existing site infrastructure, allowing the upgrade of existing 7827s and 7950s with Micro Motion™ Fork Viscosity Meters (FVM), Emerson Remote Terminal Unit (RTU) and Human-Machine Interface (HMI).

Device management is centralized into the single display unit, eliminating the need for external device software and tools, while simplifying the calibration and validation processes. The result is a user-friendly and robust system for operations and maintenance personnel.

With support for multiple control platforms (ie. FB3000/DeltaV™), integration options are available to meet all host requirements.





## Next Steps

Contact Spartan Controls to schedule an audit of your Traditional Dual-Viscosity System and proposal for a customized Dual-Viscosity Modernization Solution.

*For more information, contact us today*  
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## What If...

You could upgrade your existing obsolete Dual-Viscosity System hardware to a fully supported and integrated solution?

You could blend closer to target without exceeding ground viscosity limits?

You could simplify system calibration and maintenance while reducing lab sampling?

The turn-key solution requires no major piping or electrical modifications?