

APPLICATION: Mass proving of Micro Motion D600 Coriolis meters



PROBLEM:

Customer needed the flexibility to prove Micro Motion D600 meters at several locations within their plant and required a single unit be capable of proving both mass and volume flow meters. Local authorities currently only accept volumetric measurement and calibration, but customer wanted mass measurement and ability to prove in mass units.

EQUIPMENT:

Trailer mounted 24" Brooks Compact Prover with an integral densitometer, MVP electronics in purged enclosure, Hazardous area intrinsically safe operator interface panel.

BENEFITS

- BCP with densitometer and MVP electronics provide the ability to prove the Coriolis meter in both mass and/or volume units.
- Transfer standard, master turbine meter, incorporated to provide ability to prove Coriolis meters at maximum flow rate
- The hazardous area intrinsically safe interface panel provides the operator the ability to control all aspects of the proving directly at the prover in the hazardous environment.
- Compact Prover is accepted as a standard by Thai Weights & Measures for fiscal meter calibration (volumetric).
- MVP package provided the customer the ability to prove in mass for their accountability and volume for local authority witness.
- The Compact Prover reduced the cost of proving through a single portable unit capable of the flow rates of a 6" Coriolis meter in mass and/or volume maintaining better accountability.

CUSTOMER: Major Refinery in Thailand

SUBMITTED BY: B. Lurie