

QuadraTherm[®] 640i with qMix[™]

Improve Combustor Efficiency and Meet SB 19-181 Head-On

The Big Picture

Colorado's Oil and Gas Conservation Commission (COGCC) regulates the state's oil and gas development. The COGCC views the venting or flaring of natural gas as the waste of an important energy resource and a process that also poses safety and environmental risks. Rule 912 simply states the following:

**Venting or Flaring Natural Gas:
The unnecessary or excessive venting
or flaring of natural gas produced from
a well is prohibited.**

Gas is expected to be collected and sold. If the infrastructure to do this does not exist in the production area, gas should be used on site to power equipment. In certain cases, flaring may be done by permit, but there are conditions and strict reporting requirements.

Colorado Senate Bill 19-181

Colorado's 900 series of rules require operators to measure the volume of all gas vented, flared, or used at an oil and gas location by direct measurement or an approved method of estimation. Ref: 903.d.(4). This must be reported on the Operator's Monthly Report of Operations. If the gas is collected and sold, operators will want to measure it in order to monetize the product. Thermal mass flow meters are the ideal technology to make accurate flare and combustor gas measurements.



Sierra Has the Answer for Measurement and Reporting Requirements

QuadraTherm® 640i Thermal Mass Flow Meters with qMix™

- Low-end sensitivity for flares, vents, and leak detection - ultra-low flow calibration from 0-499 sfp
- Direct measurement of gas mass flow — no volume to mass calculations needed. Reads out in standard user-selectable units like scfm, mcf, kg/h, & many more
- High accuracy of +/- 0.75% reading means operators can be confident they are not over or under-reporting gas totals
- qMix App manages gas composition changes in the field without factory re-calibration
- Eliminate drift with DrySense™ sensor technology - Lifetime limited sensor warranty
- Measures very high flows during upset conditions
- Totalizer makes monthly reporting easy
- Two 4-20 mA outputs allow for continual trending and monitoring of gas flows
- Easy to install with hot tap and retractors means no process shutdown
- Very reliable welded, 316 SS sensor construction with no moving parts means no required reporting data lost
- Explosion-proof with cFMus Class I, Div 1 rating
- Accuracy compliant with BLM 3175 & API 14.10
- Localized support – flow measurement experts in Colorado with resources available to assist in commissioning units



QuadraTherm 640i
Thermal Mass Flow Meters
by Sierra Instruments



Act Now! Meet SB 19-181 Head-On

Get a Free On-site Flow Measurement Needs Evaluation.
Contact Your Local Flow Expert today.



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