

Flare and Vent Gas Flow Meter Service

40 CFR Part 98 Compliant
30 CFR Part 250 Compliant



Flare gas flow meter service is one of many products offered through GE Sensing & Inspection Technologies Services.

Features

- Regulatory knowledge
- Qualified service staff
- Installation inspection
- System and mechanical performance verification
- Zero flow acceptance testing
- I/O certification
- Electronic flow simulation
- Flow system reinstallation evaluation
- Factory benchmark references

Benefits

- Compliance with Mandatory Reporting of Greenhouse Gases (GHGs), 40 CFR Part 98 and 30 CFR Part 250, Subpart K: MMS Final Rule on gas flaring and venting data collection
- Meter accuracy validation
- System modeling
- Zero flow tools and test equipment
- Flow simulation algorithms
- Dimensional validation kit
- Interface protocols
- Annual or semi-annual field assessment
- Documentation and reports



GE imagination at work

GE has provided flare gas flow measurement solutions for more than twenty five years, using our well-known Panametrics product line group of ultrasonic flare gas flow meters. This technology is widely regarded as being very well-suited for flare gas applications, due to these flow meters' inherent lack of pressure drop, high accuracy with wide turndown, high reliability with low maintenance and fast speed of response.

Complying with greenhouse gas regulations takes more than an accurate flow meter. We also have the procedures, based on API 14.10, as required. From evaluating site data for recommendation on an installation, to field commissioning a new meter or inspecting and certifying existing installations, our applications engineering and field services teams have the expertise and regulatory knowledge to guide you.

Commissioning Procedure and Factory Service Assurance

GE's service offerings are geared to support field commissioning of all GE flow meter systems and to comply with the specific requirements of regulatory mandates.

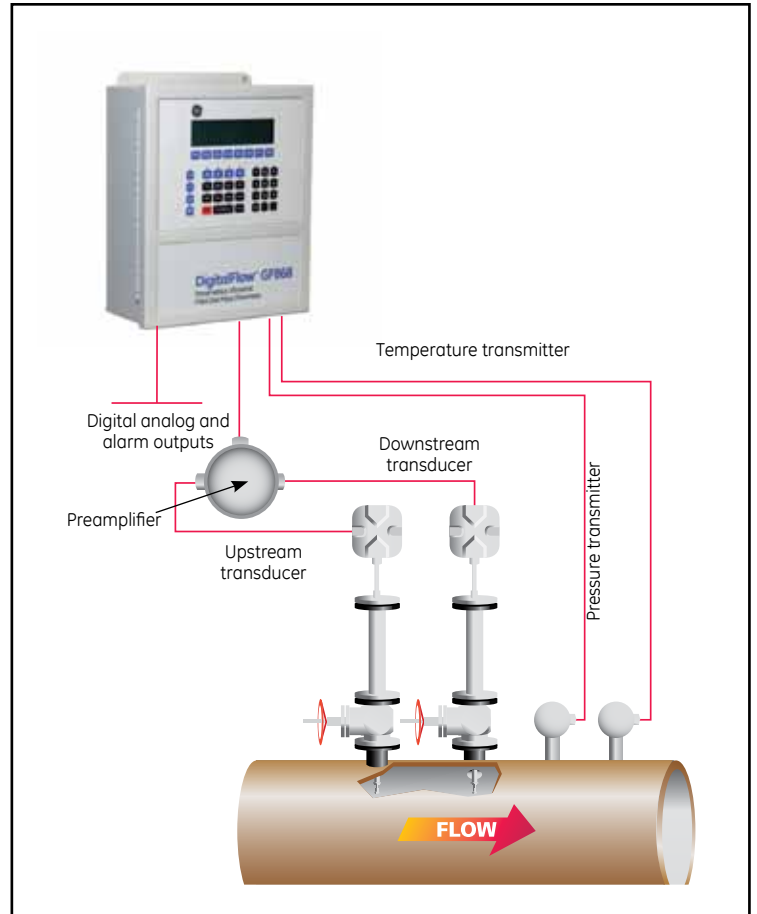
Flow Meter Validation Service

GE validates sensor accuracy and performance within regulatory specification. Our program provides documentation of compliance as well as the required regulatory measurements of your meter.

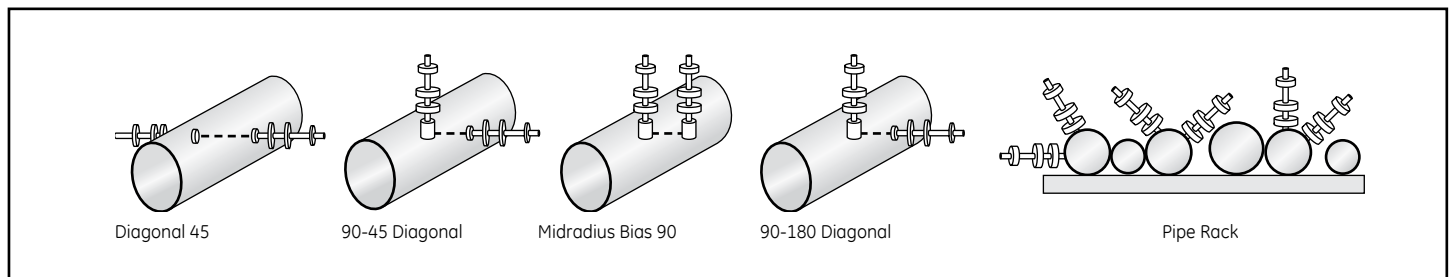
Regulatory Compliance

GE's service team is fully skilled and trained on the execution and documentation required for regulatory compliance on new or existing ultrasonic flow meters.

- EPA 40 CFR Part 98, Subparts X and Y
- EPA 30 CFR Part 250, Subpart K



Typical meter setup for standard volumetric or mass flow



Various mounting configurations permit installation in a broad range of applications

Flow Meter Specifications

Commissioning New Flow Meters

GE offers flow meter installation, per the regulatory standard, on factory-calibrated devices requiring final “on-site” factory acceptance testing.

- Dimensional surveys are also performed on new installations to convert the site dimensions to flow meter programming parameters.
- Final field regulatory acceptance is validated, resulting in a final procedural report.

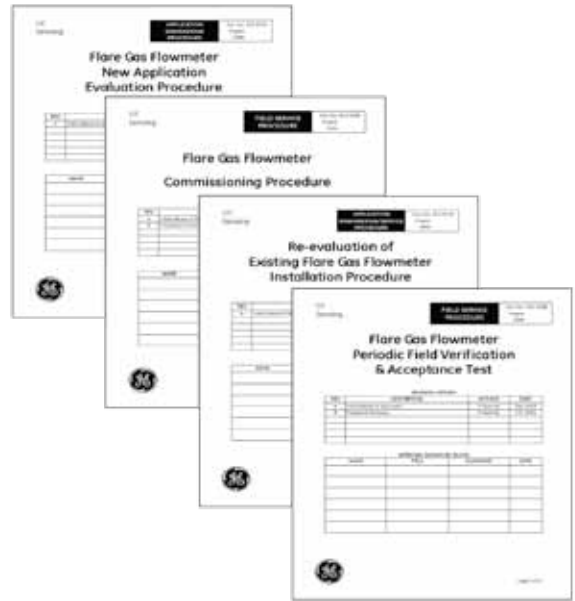
Annual Recertification

GE will annually or semi-annually certify the operation and functionality of your flare gas flow meter system. This procedure can enhance required uptime and ensure regulatory compliance.

New Application Evaluation

GE’s world-class applications engineering team can evaluate site data to recommend a flow meter installation that can meet the accuracy required for mandatory reporting.

- The customer can provide pipe data and process conditions to the factory, or GE’s services team can visit the site and collect this data.
- GE will assign the appropriate applications engineer to evaluate this data and make recommendations for meter type and installation configuration.



Sample of GE-provided documentation

Compliance for Existing Installations

GE’s services team is trained and capable of inspecting and certifying existing flare gas flow meter installations in order to comply with regulatory requirements.

- GE provides dimensional site survey, physical “as is” measurements and programming calculation verification.
- Following reinstallation of equipment, regulatory compliance is verified and supported with a final report.



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