



PGS metering and calibration (liquid volume) measurement services support the oil & Gas, petroleum and chemical industries throughout the entire supply-chain. From upstream to downstream, onshore to offshore and everywhere in between, PGS measurement Professionals improve inventory accuracy, reduce costly errors, protect valuable assets, and protect our client's reputation in the marketplace.

From exploration & production to refining, production and distribution, PGS's metering and calibration metrology services include; tank calibration, meter-proving, volume and flow measurement calibration, repair & sales, and many other additional services.

What differentiates PGS?

- Onshore and Offshore Meter Proving & Calibration
- Onshore Water Draw Services
- On-site or In-Shop Service
- Onshore and Offshore Meter Repairs and Installations
- Crude Oil Rail-Car Metering and Calibration
- Meter Sales
- High Volume Displacement Prover
- Quality .



PGS Measurement, Metering, and Calibration Services

PGS provides Liquid Flow meter calibrations, covering a wide range of measurement principles and manufacturers.

We supply mobile Compact / Small Volume / Piston Prover / Bidirectional prover and tank prover.

We are capable of field calibrations for load rack, truck and rail terminals, LPG bulk delivery terminals and/or trucks, and pipeline meters.

Compact provers provide a wide turndown, quick proving, and less volume to drain at the end of the day.

Our provers are designed to meet low temperature and sour conditions.

- High pressure inlet and discharge hoses prevent increased pressure drop across the meter which provides repeatable flow rates, crucial in obtaining an accurate prove.
- On-site meter maintenance and bench calibration of meters.
- We offer industries most cost effective solution for a variety of proving situations.
- Our operators are qualified and experienced in process measurement.



PGS PROVER brings significant benefits to liquid meter proving operations:

- Calibration traceable to NIST
- Multiple volume proving
- Complies with API
- Reduced time
- Global Weights and Measures approvals
- Turndown greater than 1,000:1
- Totally enclosed self-contained unit:
 - No vapor emission
 - Minimum operator interface
- Fast leak detection
- Mechanical fail-safe operation
- Positive valve closure pneumatic system
- Self-contained hydraulic retraction system
 - No external moving parts
 - Maximum operator safety
 - Exceptional longevity.

PGS Prover offers a highly flexible proving solution and is suitable in all applications where meter proving is required:

- Marketing terminals
- Crude and refined product pipelines
- FSO and FPSO offloading
- Ship and barge loading / offloading
- Railcar loading / offloading
- Calibration laboratories
- Onshore and Offshore oil fields.

Core components

- 4-Way Diverter Valve
- A Suitcase Flowmeter
- Launch Chamber
- Detector Switch
- Pressure & Temperature Transmitters
- Pressure & Temperature Indicators
- Displacer
- Hoses & Accessories.



Flow Meter Types Calibrated

- Liquid Ultrasonic
- Micro Motion Coriolis (mass meter)
- Vortex
- Thermal Mass
- Positive displacement meters
- Turbine.

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