Why calibrate your prover

Accurate measurement is vital, whether the primary purpose is custody transfer, allocation, or process control. Calibration reduces your measurement uncertainty and subsequent impact on your operation’s bottom line.

Regulation standards now demand more accurate flow measurement. With over 75 years of custody transfer experience, you can trust Daniel for reliable precision in prover calibrations and ensuring your prover is in compliance with measurement regulations.

By choosing Daniel as your prover calibration provider, you gain access to an unrivalled network of expertise and skills. These skills are brought together with calibrated and traceable test equipment to ensure the quality of your prover calibration.

Purpose of prover calibration
- Custody transfer contractual requirements
- Check mechanical conditions of the prover
- Verify prover accuracy
- Fulfill API minimum recommended calibration every 3 years

Water draw calibration

The water draw method is one of the preferred calibration techniques. It involves displacing or “drawing off” the volume of water between the prover detectors into field test measures which are calibrated traceable to the National Institute of Standards and Technology (NIST).

Clear, deaerated water is selected as the test medium because of its stable characteristics, availability, and the relatively low effects its viscosity and surface tension has on drain time through the field test measure.

Calibration pays

Essential to maintaining measurement accuracy, provers must provide a reliable means to verify meter readings and establish and certify the meter factors. Daniel prover calibration service can help you control product loss and gain substantial savings by providing:

- On-site calibration of small volume provers sizes 8” to 40”
- Water draw certificate of calibrated volumes
- Prover seal leak check, repair and upgrade services
- Inspection of hardware and electrical components
- Quick replacement of genuine hardware parts
- Upgrade recommendations to improve operation and performance of the prover
In today’s competitive environment, calibration is critical to business success. Daniel prover calibration service will keep your flow instrument calibrations up-to-date and in compliance with measurement systems regulations by using:

- NIST certified calibration equipment
- Factory trained technicians
- Technical support and training
- Fully equipped to provide turn key repair and calibration service solutions
- Over 75 years of oil and gas custody transfer

### Calibration credentials

- Calibrations are traceable to the National Institute of Standards and Technology (NIST)
- Meets the requirements of API and ISO Standards

### Get started today

Daniel’s highly trained certified technicians are located worldwide, providing you with service and support in more than 80 countries.

For a quotation customized to meet your particular service needs, please contact your nearest Daniel Measurement and Control Sales and Service office as indicated below, or submit a service request online at daniel.com.

### Keeping you at peak performance

Daniel is the world leader in custody transfer and fiscal flow measurement products, systems and services. We understand the importance of your flow metering measurement, and in an environment of volatile oil and gas prices, the financial risk due to measurement uncertainty is greater than ever before. That’s why Daniel is committed to helping reduce your metering equipment uncertainty anytime and anywhere.

Our global reach, broad range of services and certified service specialists supported by over 75 years of oil and gas industry experience enable Daniel to support you for the life of your metering installations – and that’s a certainty.

You may find this Service sheet valuable:

**Compact Prover Inspection and Refurbishment**

[ compact prover inspection and refurbishment image ]

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