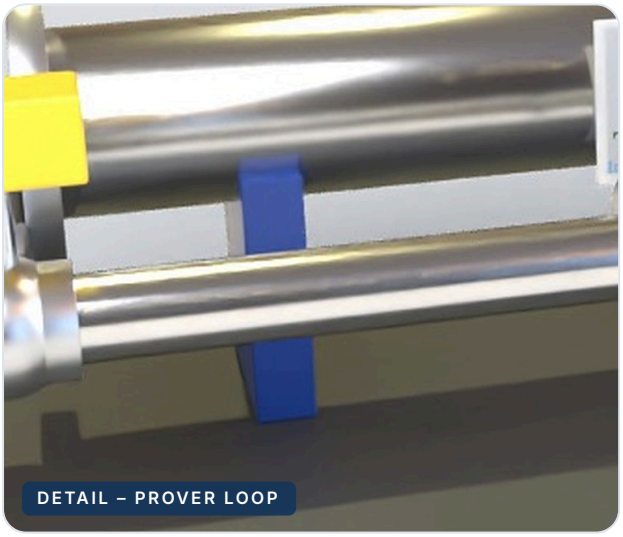
PRODUCT DATASHEET

Meter Prover Skid

On-site proving of custody-transfer liquid meters





DETAIL – PROVER LOOP

OVERVIEW

The Tech Inc. Meter Prover Skid proves and calibrates custody-transfer liquid meters on site. Pipeline, terminal and metering-station operators use it to confirm meter accuracy on the actual product and flow rate, so that custody-transfer quantities can be relied on by both buyer and seller.

MODELS AND CONFIGURATIONS

- **Compact (small-volume) prover** – a piston prover on a small skid, for limited space and frequent proving.
- **Bi-directional pipe prover** – a pipe loop with a displacer that travels in both directions between detector switches.
- **Master-meter prover** – a calibrated master meter in series with the meter under test.
- **Trailer-mounted mobile prover** – one prover that travels between several metering sites.

TYPICAL DESIGN DATA

Proving standard	To API MPMS Chapter 4, or to client specification
Flow range	Matched to the meters served, or to client specification
Prover volume calibration	Water-draw calibration connections, or to client specification
Pressure rating	To the metering line rating, or to client specification
Materials	Selected for the product handled, or to client specification
Mounting	Fixed skid or trailer, or to client specification

APPLICATIONS

Crude and product metering stations, loading terminals and pipelines.

KEY ADVANTAGES

- **Proving at operating conditions** – meters are proved on the actual product, flow and pressure, without removal from the line
- **Prover type matched to the site** – compact, pipe or master-meter designs to suit the meters and the space available
- **Traceable prover volume** – water-draw connections allow the prover itself to be calibrated
- **One prover for several sites** – the trailer-mounted design serves several metering stations
- **Matched to the metering skid** – supplied with a Tech Inc. liquid metering skid or added to an existing station

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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