



MINILAB® Mobile Calibration Laboratories

Self-Contained Liquid Calibration Lab — Built Into a Van

The MINILAB® is a Lonetti proprietary product — a fully equipped liquid calibration laboratory built into a van or box truck. It travels to the meter, not the other way around. Self-contained: it carries its own reference prover, pump, control instrumentation, and power supply.

Used by petroleum companies, national metrology institutes, and inspection bodies that need traceable calibration at remote sites — pipeline takeoffs, offshore terminals, mining operations, agricultural depots — where meters cannot be removed to a workshop.

SPECIFICATIONS

Parameter	Value
Vehicle	Cargo van or box truck (client specifies make/model)
Onboard prover	200 L – 1,000 L Lonetti SS prover tank
Onboard master meter	Coriolis or PD class 0.05, traceable
Pump	Variable-speed, 10 – 400 L/min
Power	Onboard diesel genset, 7 – 20 kVA
Reservoir	200 L – 800 L stainless
Instrumentation	PT100 RTDs, pressure transducers, density (option)
Software	Onboard PC with calibration & certificate generation
Climate	Insulated cabin with HVAC
Lead time	16 – 28 weeks (depends on vehicle availability)

KEY FEATURES



- **Self-contained operation — onboard genset, pump, reservoir, and instrumentation; no external power or water required**
- **Reference prover onboard** — Lonetti 200L–1,000L prover tank, INTI-certified and traceable
- **Master meter included** — faster verifications via certified master meter, cross-checked against onboard prover
- **All meter types supported** — turbine, PD, electromagnetic, ultrasonic, Coriolis; adapter spools onboard
- **Climate-controlled cabin** — insulated and air-conditioned work area for hot or cold operating environments
- **Complete documentation kit** — onboard PC with calibration software, certificate templates, and audit-trail export

TYPICAL APPLICATIONS

- **Remote pipeline calibration** — pipeline takeoff meters where the meter cannot be removed from service
- **Offshore & marine** — loading-arm meters at marine terminals and offshore platforms
- **National metrology service** — INTI / INMETRO-style state inspector fleets for regional weights & measures
- **Mining & agriculture** — fuel and chemical metering at remote operations without nearby workshops

CERTIFICATIONS & STANDARDS

OIML R117 · API MPMS · INTI · INMETRO

The onboard reference vessel and master meter are INTI-calibrated and traceable to international standards. The MINILAB® ships with full calibration documentation. Periodic recalibration of onboard references can be performed by Lonetti or any INTI-accredited laboratory.

OPTIONS & CUSTOMIZATION

- Vehicle: client specifies make, model, fuel type, drivetrain (4WD available)
- Onboard prover: 200L–1,000L; sized to meter flow range
- Master meter: Coriolis (standard) · PD · ultrasonic
- Power: diesel genset · shore power · dual
- Fluid compatibility: petroleum · water · chemical (materials selected per fluid)
- Certification software: Lonetti standard · client's existing system
- Refrigerated / heated cabin: available for extreme climates

MINILAB® is a registered trademark of Lonetti.

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Exporting to 47 countries since 1960.