



Tanker Truck Calibration Towers

Multi-Tier Liquid Calibration Tower Systems for Cistern Vehicles

Lonetti tanker truck calibration towers verify the volume of each compartment of a tanker truck or cistern vehicle. Multiple prover tanks are stacked in a structural tower frame — typically two to five tiers of 500–5,000 L each. The truck drives under the tower; product is transferred into the tower tanks, totalled, and compared against the truck's compartment indication.

A Lonetti specialty product, built since the 1980s for petroleum terminals, refineries, and fleet calibration providers across South America, Africa, and the Middle East.

SPECIFICATIONS

Parameter	Value
Tier count	2 – 5 (custom)
Per-tier capacity	500 L – 5,000 L (typically 5,000 L top, smaller below)
Tank material	AISI 304 stainless steel (standard); 316 SS available
Frame material	Hot-dip galvanized steel (standard); stainless on request
Per-tank accuracy	±0.05% (INTI certified, OIML R117)
Access	Stair tower with platform, rails, fall protection
Drainage	Independent drain per tier; common collection manifold optional
Truck clearance	Specified per fleet — typically 3.5 – 4.5 m
Installation	Permanent (foundation) or skid / trailer
Lead time	20 – 32 weeks (project-dependent)

KEY FEATURES



- **Configurable tier count** — 2, 3, 4, or 5 tiers matched to the largest compartment in your fleet
- **Stainless or galvanized frame** — hot-dip galvanized steel standard; full stainless for aggressive media
- **Per-tier $\pm 0.05\%$ accuracy** — each tank is INTI-certified; totalled volume traceable to international standards
- **Operator platform & ladders** — access platform with sight glass per tier, safety rails, fall protection
- **Permanent or portable** — permanent terminal install or skid/trailer-mounted for mobile fleet calibration
- **Lonetti specialty product** — built for terminals across South America, Africa, and the Middle East since the 1980s

TYPICAL APPLICATIONS

- **Terminal fleet calibration** — permanent installation at petroleum terminals, refineries, and bulk-distribution depots
- **Service-provider use** — portable configurations for calibration companies serving multi-site fleets
- **Periodic recertification** — annual / biennial recertification of tanker compartments as required by national regulators
- **New-build commissioning** — initial certification of newly fabricated tanker truck compartments

CERTIFICATIONS & STANDARDS

OIML R117 · API MPMS Chapter 4.4 · INTI · INMETRO

Each prover tank in the tower ships with an INTI calibration certificate, individually traceable. Total system accuracy documentation provided. Third-party inspection by Bureau Veritas or SGS available on request.

OPTIONS & CUSTOMIZATION

- Tier count: 2–5 tiers; custom on request
- Per-tier capacity: any value 500L–5,000L
- Tank material: 304 SS (standard) · 316 SS
- Frame: galvanized steel (standard) · stainless steel
- Installation: permanent foundation · skid-mounted · trailer-mounted
- Truck clearance: engineered to fleet specification
- Access: stairs · elevator (for tall towers) · safety cages

Request a quote: lonetti.com.ar/contact · info@lonetti.com.ar · WhatsApp +54 9 11 2788 4190

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