



## VTC205

Strong – Designed for long life

Rugged – Tough environments

Accurate – POWERCELL® Performance

Service – Low long-term cost  
of ownership

Low Profile – For driver safety

## Rugged Concrete Weighbridge

Composite design for long life

METTLER TOLEDO

# Rugged Concrete weighbridge

## Long life through efficient design

The cost of a weighbridge is a critical issue for today's customer, the VTC205 is a precision, factory-produced, modular steel frame for on-site concrete designed to fulfill two important goals; to accurately weigh on-the-road trucks under medium to heavy traffic conditions and to reduce your long-term service and maintenance costs.



**Designed for life.** The VTC205 Cycle Duty weighbridge is designed based on METTLER TOLEDO's experience as world leader in the weighbridge market. VTC205 design is proven in one of our unique "Module Tester" simulating 20 years use by running 250 fully loaded trucks per day across the scale. That's more than a million cycles running a 28t (60kbs) Dual Tandem Axle on 1.2m (4ft) centers – this test ensures that your scale will last.



The VTC205 delivers the highest performance in its class following – **Directive 96/53/EEC** which specifies the maximum axle loads for trucks transiting Europe. The VTC205 will weigh vehicles according to this directive as well as your local laws. When you want to weigh more, or heavier trucks, METTLER TOLEDO can supply you an 'Extreme-Duty' weighbridge, such as VTS302, 7563 and 7566.

**Efficient steel use** for long life – every kilogram of steel and concrete are efficiently used. The VTC205 uses the same construction methods that made METTLER TOLEDO the leader in low-profile weighbridges – your bridge is designed and manufactured to last.

**Epoxy painted** – baked on polyurethane coating is standard and is far more durable than primer or enamel finishes common in the industry, moreover, the finish complies with the RoHS Directive 2002/95/EC. Steel sides prevent stone chipping typical of most concrete weigh bridges.



**Checking system designed for heavy trucks** – the mechanical restraints "checking" are in the foundation, not in the load cells – this eliminates extra wear and tear that can degrade a scale's accuracy.

**Hi-Strength modules** – because the VTC205 is efficiently designed, each module weighs less than 13 tons with concrete allowing you to move the scale to another site if you choose.

**VTC205 Containerized™** scale can be shipped in a standard closed shipping container or can easily fit on the back of a standard flat-bed truck to reduce your shipping cost – no extra costs for wide-load shipments.

VTC205 is produced in the World's newest vehicle scale production facility



VTC205 is fixtured and machine welded to obtain the best weld quality and long life



The steel in the VTC205 is shot blasted to create a fantastic painting surface



The VTC205 is epoxy painted and temperature cured eliminate corrosion



**Meticulously welded** – structure of the VTC205 is precision fixtured and welded to insure strong torsional strength under heavy loads. The locally-poured concrete completes this rugged structure.



**Low height** – Low height ensures drivers can easily drive on to the scale should it be mounted above the ground.

**Simple Modularity** – the VTC205 scale can be configured in many sizes up to 48 meters (157ft) using standard components.

Optional side rails – easy to install and maintain – steel ramps are also available



Optional risers elevate the scale for more bottom clearance and easier cleaning



Optional ramps for above ground installations



The VTC fits easily into a standard sea container or on a flat bed truck



# Certified Accurate In Two Steps

**A successful vehicle scale project doesn't end with selection of the best scale for your needs. Success is also defined by services that ensure a quality installation, effective integration, productive operations, accurate and certified weights, and dependable performance.**



## Installation, Configuration, and Integration

Our project managers coordinate all the tasks, equipment, and contractors for an on-time, in-specification vehicle scale installation. Our service representatives make certain that your scale system is ready for production in a cost-effective and timely fashion.

Your Benefits:

- Scale foundation that withstands traffic and the environment
- Properly installed and precision-tuned vehicle scale
- Information technology that dependably meets requirements
- Trained operators for effective vehicle processing
- Reliable communications to peripherals and networks
- Knowledge of user maintenance procedures



## Proactive Scale Maintenance

A vehicle scale is a significant capital investment and its dependability is critical to maintaining productivity. METTLER TOLEDO ensures the operational readiness of your scale with cost-effective, factory-specified scale maintenance.

Your Benefits:

- Prevention of weighing errors due to buildup of dirt and debris
- Proper adjustment and mechanical integrity of scale components
- Assurance of vehicle and operator safety
- Stable operation with proper grounding and lightning protection
- Higher return on investment through increased scale life and productivity
- Recertification of your scale in accordance with local regulations



**Our service representatives are there at the right time, with the right parts, the right tools and the right skills to meet your needs.**

## VTC205

- Economically shipped anywhere
- Easy to clean and maintain
- Efficient load cell access
- Non-slip driving surface
- Corrosion resistant components
- Load cells report weighing errors
- Integrated suspension system
- Unparalleled accuracy.
- Long service life

Feature	Specification
Weighbridge type	Multi-Module multi-scale
Standard module sizes	4, 5 and 6 meters (13, 16.4, 19.7ft)
Construction	Hybrid steel concrete – locally produced concrete
Deck Thickness	32cm, 39.5 Installed (12.6, 15.6in)
Deck Type	Brushed Concrete – Locally Finished
Protection (Steel)	Baked, Acrylic Poly Urethane RAL7038
Scale Width (Standard)	3.4m (11ft)
Scale Width for shipping	1.7m (5.58ft)
Scale Length	4 to 48m (13 to 157.5ft)
Scale Weight (without concrete)	380kg per linear meter (70lb per ft)
Material Type	ST 37.2 (ASTM A-36)
Lightning Protection (tested)	Lightning tested –
POWERCELL® MTX/PDX®	10000/80000A*
Weighing components	17–4 Stainless
Load cells	Hi-Performance POWERCELL® MTX or PDX®
Load cell protection class	IP68, IP69k; NEMA 6p
Junction boxes	X5CRNi189 (304L) IP67, (NEMA 4X) MTX not required with POWERCELL PDX
Approval EC/94/EEC	Certificate T2206 or T2391
Capacity 16/18/24m	50/60/80t (100k, 130k, 170klb)
nMax	3000, 4000 or 6000
Rated axle load	28t dual tandem axle (DTA) (60klb)
Minimum axle spacing	1.2m for 28t DTA (4ft for 60klb)
Foundation types	Above ground, shallow or deep pit
Operating temperature	-60° to +50° (-76° to 122° F)
Temperature – 2009/23/EC	-10° to +40° (4° F to 104° F)

\* POWERCELL PDX

### Standard features and Options

	Standard	Option
Concrete driving surface	✓	-
Top access to cells	✓	-
25t POWERCELL® MTX or 30t POWERCELL PDX	✓	-
Lightning protection	✓	-
Longitudinal and lateral checking	✓	-
POWERCELL® terminal	-	✓
Risers to raise scale	-	✓
Side rails	-	✓
Extended warranty	-	✓
Ramps	-	✓

[www.mt.com](http://www.mt.com)

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