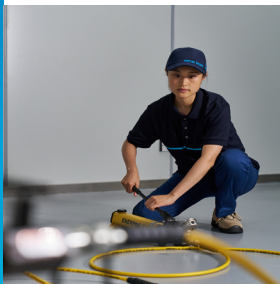


Tank Scale Calibration Simplified



Tank Scale Calibration

RapidCal is the ideal calibration method for tank, reactor, hopper and silo scales. The method is traceable and certifiable and yet is fast, thus minimizing production downtime. The equipment is portable and poses no risk of contamination to the scale.



Calibrate Faster

RapidCal equipment is highly portable and requires minimal preparation time and effort in use. Loading and calibration are done quickly, resulting in lower downtime over the course of a year.



Higher Accuracy

The calibration force applied by hydraulic cylinders is measured by highly accurate reference load cells whose calibration is traceable to test weight standards. The process pulls down on the scale identically to normal weighing, thus automatically accounting for piping effects.



Compliance

Recalibration at regular intervals with issuance of traceable calibration certificates ensures compliance with quality systems with no extra effort. Industry regulations and regular audits can also be fulfilled with RapidCal.



RapidCal

Fast and Accurate

Gone are the days of having to rely on time-consuming and expensive calibration methods with uncertain accuracy and traceability results. The innovative RapidCal method from METTLER TOLEDO offers an economical and fast calibration method that is traceable, and operates without using test weights or purified liquids, or the risk of scale contamination.

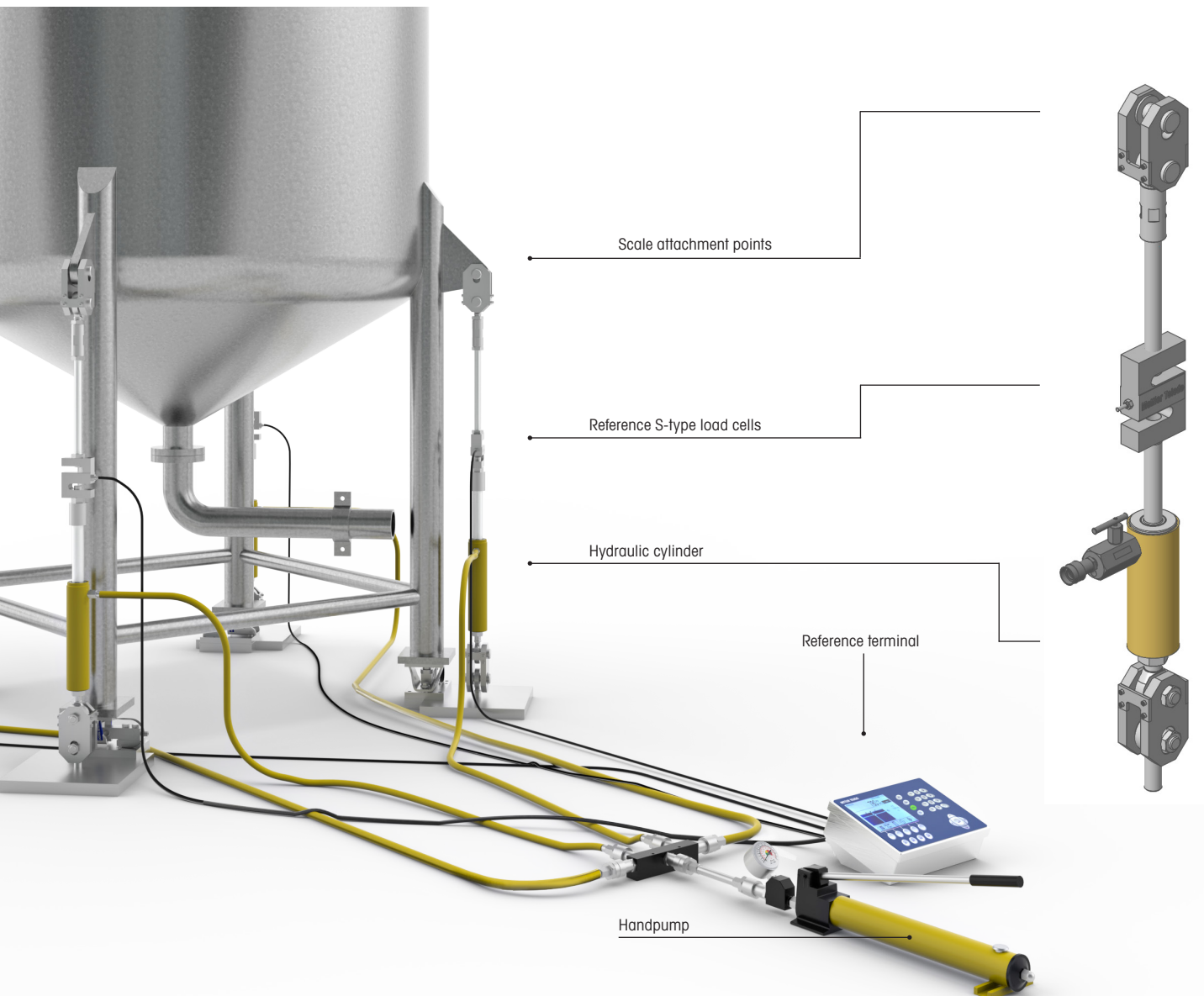
RapidCal features:

- Accurate full-scale calibration in the range 0.5 t - 32 t
- Quick calibration process leading to minimal downtime
- No bulky test weights required
- Purified water and calibrated flowmeter not required
- Tank is not opened, eliminating risk of contamination
- Traceability to the SI unit of mass
- Compatibility with internal Quality Systems
- Process stability assured with minimum effort
- Available as ISO17025 accredited calibration service in select countries

Technical Specifications:

Scale Capacity	0.5 t to 32 t
Achievable Calibration Accuracy	0.5 t to 1 t load: 0.29% 1 t to 4 t load: 0.12% 4 t to 32 t load: 0.072%
Traceability	Traceable to the SI unit of mass
Calibration Temperature Range	0 - 40 °C
Scale Mounting	Compression or tension scales mounted on concrete floors, steel structures or mezzanine floors
Hydraulic Oil	Food grade
Hazardous-Area Approvals	Div. 2 (FM), Zone 2/22 (ATEX, NEPSI)

RapidCal Setup



RapidCal Knowledge Base



Introducing RapidCal: The Innovative Tank Scale Calibration Method

See how RapidCal compares to traditional flowmeter calibration, and then make your tanks RapidCal-ready to start realizing the benefits.

▶ <https://www.youtube.com/watch?v=gnWjzSCqGaM>



RapidCal Overview: The Process and Benefits of Weightless Calibration

Understand how RapidCal calibration is performed to achieve a new level of accuracy and significantly reduce calibration costs.

▶ <https://www.youtube.com/watch?v=6BzyngnXC48>



White Paper: Tank Scale Calibration Methods

In this document, we discuss the six common methods to calibrate tank scales and then illustrate each method with practical use cases.

▶ www.mt.com/ind-tankscalecalibration