

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.



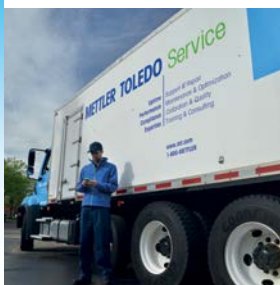
Calibrate Faster

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 Quick and Accurate

Gone are the days of having to rely on time-consuming and expensive calibration methods with uncertain accuracy and traceability results. The new and 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

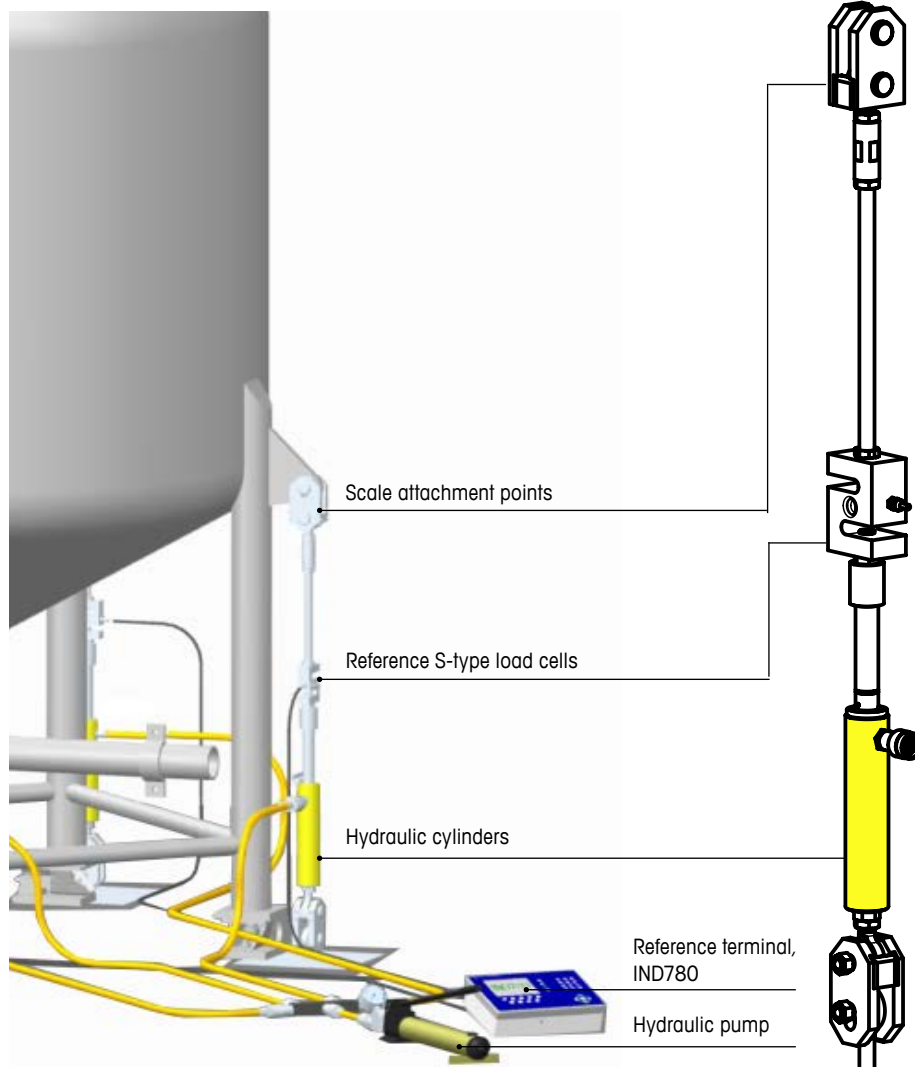
RapidCal features:

- Accurate (0.1%) full-scale calibration in the range 1t–32t
- 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
- Tank is exercised identically to the weighing process; piping effects are automatically compensated for
- Traceability assured by METTLER TOLEDO
- Compatibility with internal Quality Systems
- Regular recalibration as part of the Quality System
- Process stability assured with minimum effort

Specifications:

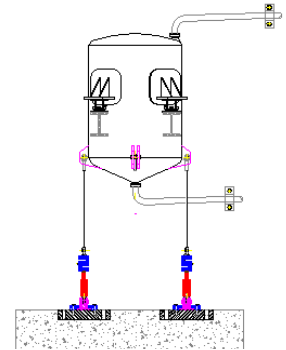
Scale capacity	1 – 32 tons
Calibration uncertainty, %	0.1% (piping forces accounted for)
Traceability	Complete traceability chain, starting with certified METTLER TOLEDO test weights
Certifiable	Yes
Calibration temperature range	5 to 35 °C
Scale type	Tank, reactor vessel, hopper, silo
Scale mounting	Compression or tension scales mounted on concrete floors, steel structures or mezzanine floors
Maximum scale deflection	25 mm
Calibration system	Hydraulic cylinders with S-type reference load cells and IND 780 terminal. Hydraulic system uses food-grade oil.
Hazardous area	Div. 2 (FM), Zone 2/22 (ATEX)

RapidCal Setup:

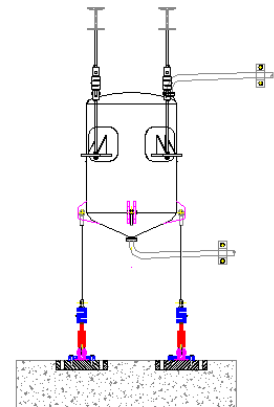


Suitable scale types for RapidCal (examples):

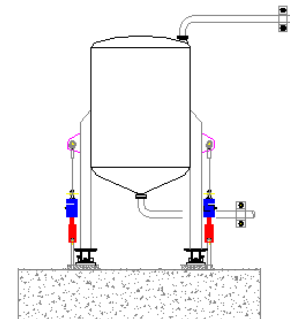
Compression scale, on mezzanine floor:



Tension scale:



Compression scale, on concrete floor:



www.mt.com/ind-rapidcal

For more information

METTLER TOLEDO Group

Industrial Division

Local contact: www.mt.com/contacts



Subject to technical changes

©08/2018 METTLER TOLEDO. All rights reserved

Document No. 30403470

MarCom Industrial