



SMARTFLOW
TECHNOLOGIES LTD

...every drop counts!

CALIBRATION SERVICES

Improve Inventory Accuracy



Reduce Costly Errors



We calibrate all types of Storage Tanks:

- Vertical
- Horizontal
- Spherical
- Cylindrical
- Underground
- Tall Tanks etc.

www.smartflowtech.com

One of the most basic, yet most important services that Smartflow Technologies offer is STORAGE TANK CALIBRATION. Tank calibration is the process of determining the exact true volume of a tank corresponding to a certain measurement value. It is the key to obtaining accurate measurements of quantity in bulk storage tanks. Without accurate calibration tables, even the best gauging systems and the most accurate manual measurements are of little use. Proper calibration of Storage Tanks is one of the few “maintenance” items that can directly increase margins and profit by correctly matching sales to volume sold.

Tank calibration is very necessary for fuel stations, tank farms and companies that make use of tanks for storage of their products



CALIBRATION TECHNIQUES

WET CALIBRATION: It is the use of product to physically calibrate gradually. It involves adding or withdrawing volumes of liquid into the tank. A flowmeter is used to make measured volume of product discharge into the tank whilst monitoring the flowrate in order to monitor the rate of discharge per minute.

DRY CALIBRATION: Also known as the **STRAPPING METHOD** is the use of the physical measurement to get the estimated capacity of the Tank.

WHY RE-CALIBRATE?

A tank calibration may change if its operating conditions are changed. This could be for a variety of reasons and so it is recommended that storage tanks should be re-calibrated at not more than 5years interval. Some of the reasons for a tank re-calibration include:

- Expansion or contraction of tank shells due to hydrostatic liquid head pressure
- Modifications on tank or dip plate
- Relocation of the Tank
- Tilt and settlement of the tank with resultant changes in tank geometry

BENEFITS OF CALIBRATION

- Accurate determination of stock volume at any point in time
- It helps management in the reconciliation of stock against sales cum banking or cash.
- It helps management to determine when to re-order product.
- Detects shortages constantly encountered from truck/tankers.

SMARTFLOW TRACK RECORD & ADVANTAGES

At Smartflow, our flowmeters are verified regularly to ensure they are discharging accurately & not underdischarging or over discharging. This is based on our history of maintaining a high level of integrity with our services and our customers

LAGOS

Plot E, Ikosi Road, Former Ziatech Building,
Oregon, Ikeja, Lagos.
Tel: 0701 582 5689, 0701582 5681
E-mail: info@smartflowtech.com

PORTHARCOURT

Plot 135, Fiddil Avenue, Ordinance Road,
Trans Amadi Layout, Port Harcourt, Rivers State
Tel: 0902 832 9348; 0812 298 9142
E-mail: info@smartflowtech.com

ABUJA

B7 & B8, AYM Shafa Plaza Limited,
Wuye, Abuja
Tel: 0701 582 5682; 0902 961 6568
E-mail: info@smartflowtech.com

KANO

No.3 Abdu Sambo Street ,
G/albasa Rail-line , Kano.
Tel: 0701 582 5682; 0902 961 6568
E-mail: info@smartflowtech.com