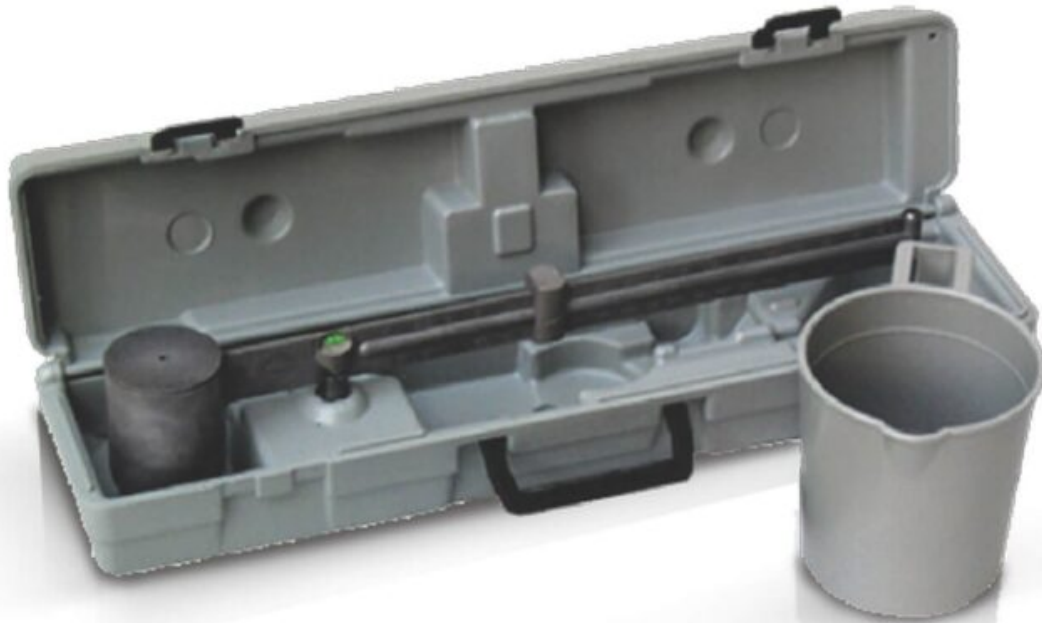


# MUD BALANCE (C014)

Category: Cement



**Product Code:** C014

**Category:** CEMENT

**Sub-Category:** MUD VISCOSITY

- 
- The Mud Balance is a precision instrument designed to determine the density (weight per unit volume) of drilling fluids, cement slurries, and other similar fluids, ensuring

accurate measurements in both laboratory and field settings.

- Constructed with a constant-volume sample cup and a graduated beam, the apparatus allows for direct reading of fluid density in multiple units, including pounds per gallon (lb/gal), specific gravity ( $\text{g/cm}^3$ ), pounds per cubic foot ( $\text{lb/ft}^3$ ), and pressure gradient (psi/1000 ft).
  - The device features a built-in spirit level and a knife-edge fulcrum to ensure precise balancing during measurements, enhancing the reliability of results.
  - A durable, high-impact plastic carrying case is included, providing a secure base for the balance during use and protecting the instrument during transportation.
  - The Mud Balance is essential for monitoring and controlling the density of drilling fluids, which is critical for maintaining wellbore stability and preventing formation damage during drilling operations.
- 

## STANDARDS

ASTM D4380 • ISO 10414-1 • ISO 10414-2 • EN 445

## SET

- Measurement Range:
  - 0.72 to 2.88  $\text{g/cm}^3$
  - 6 to 24 lb/gal
  - 45 to 180  $\text{lb/ft}^3$
  - 310 to 1250 psi/1000 ft
- Sample Cup Volume: 200  $\text{cm}^3$
- Construction: Stainless steel sample cup and beam, high-impact plastic case
- Features: Built-in spirit level, knife-edge fulcrum, graduated scale

## ORDERING INFORMATION

Item	Code
MUD BALANCE	C014X00XH

---

*Keywords: Mud Balance, drilling fluid density tester, ASTM D4380, API RP 13B-1, API RP 13B-2, ISO 10414-1, ISO 10414-2, EN 445, cement slurry density, fluid density measurement, ALFA Testing Equipment*