

MUD BALANCE (METAL)

DRILLING FLUIDS EQUIPMENT



Description

The density or weight of a given volume of liquid can be determined by using the MUD BALANCE (METAL). The balance is constructed so that the fixed volume cup at one end of the beam is balanced by a fixed counterweight at the opposite end, with a sliding weight rider free to move along the graduated scale. A level bubble mounted on the beam indicates when the system is in balance.

The full-sized metal MUD BALANCE (METAL) is imprinted with four density scales with the following ranges:

- 6.5 – 23.0 lbs / gal
- 0.79 – 2.72 specific gravity
- 49 – 172 lbs / ft³
- 340 – 1190 psi-1000ft

The balance may be readily transported in a lightweight carrying case fitted for its usage and storage.

Size	21.5" x 4.5" x 4" (55 x 11 x 10 cm)
Weight	4 lb 3 oz (1.9 kg)



Procedure

1. Place the MUD BALANCE (METAL) base (preferably in carrying case) on a flat level surface.
2. Measure the temperature of the fluid and record on the appropriate mud report form.
3. Fill the clean, dry cup to the top with freshly obtained mud sample to be tested.
4. Place the lid on the cup and set it with a gentle twisting motion. Be sure that some mud is expelled through the hole in the cap as this will ensure the cup is full and also free any trapped air or gas.
5. Cover the hole in the lid with a finger and wash all mud from the outside of the cup and arm. Then thoroughly dry the entire balance.
6. Place the balance on the knife edge and move the rider along the outside of the arm until the cup and arm are balanced as indicated by the bubble.
7. Read mud weight at the edge of the sliding weight toward the mud cup until bubble indicated level and record reading.
8. Clean and dry the MUD BALANCE (METAL) after each use.



Check out our YouTube channel to see the full demonstration at youtube.com/amcdrillingfluid

Please Note: Several factors will dictate the most appropriate concentration rate. Please contact your nearest AMC representative for optimum results.

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