

SPECIFIC GRAVITY & BUOYANCY BALANCE

BE 47

The Buoyancy Balance or Specific Gravity Frame is a specialized setup for determining the specific gravity of fresh and hardened concrete and aggregates. It includes a sturdy support frame with a water tank on a platform. A mechanical lifting device raises the tank to immerse the specimen, which is suspended below an electronic balance. This balance can also function as a standard weighing device, offering a versatile laboratory solution for accurate specific gravity measurements.

For Water absorption and specific gravity test of aggregates. With Density basket, water tight cylinder and electronic balance of 10 kg x 0.5 gm sensitivity. (Optionally 15 kg X 0.1 gm or 20 kg X 1 gm or 30kg X 1 gm also available) The balance will be with under hook weighing arrangement and will be mounted on suitable table to facilitate the test. The Water tight container will be mounted on a mechanical jack, which will facilitate the up - down movement of the container for weight in air and water.

FOLLOWING STANDARD

EN 12390-7, BS 1881:114, IS 2386 (Part III)

