GENERAL > GENERAL PURPOSE

SPECIFIC GRAVITY FRAME (Buoyancy Method)

Code : G100



- This apparatus facilitates the determination of the average density, relative density (specific gravity), and absorption rate of coarse aggregate particles. The density measurements can be expressed in terms of oven-dry (OD), saturated surface-dry (SSD), or apparent density states.
- The system comprises a robust, high-rigidity frame that ensures stability and durability during testing procedures.
- The lower section of the frame features a moving platform designed to hold a water tank, allowing specimens to be weighed both in air and while submerged, as required by standard testing methods.
- A stainless steel wire basket with dimensions of 200 mm in diameter and 200 mm in height, constructed with 3.35 mm (No. 6) mesh, is provided for holding aggregate samples during testing.
- The frame is designed to accommodate an electronic balance equipped with an under-hook facility, enabling precise measurement of specimen weights in different states.
- The balance should be ordered separately to match specific testing requirements.

STANDARDS

ASTM C127 • AASHTO T85 • BS 812:2 • EN 12390-7 • EN 1097-6

TECHNICAL SPECIFICATIONS

- Frame: High-rigidity construction
- Moving Platform: Integrated into the lower frame for water tank support
- Water Tank: Included
- Density Basket: Stainless steel, Ø 200 mm x 200 mm height, 3.35 mm mesh opening
- Balance Compatibility: Requires electronic balance with under-hook (ordered separately)

EQUIPPED WITH

- Cam mechanism and handle
- Moving platform

SUPPLIED WITH

- Water Tank
- Wire Basket (Ø 200 x 200 mm) with 3.35 mm opening (ASTM No: 6)

ORDERING INFORMATION

Item Name	Item Code
CRADLE	G100P001H

DENSITY BASKET (Ø 200 x 200 mm / Aperture: 3.35 mm)	G100P002H
WATER TANK	G100P003H
DENSITY / SOUNDNESS BASKET (Ø 250 x 250 mm / Aperture: 1.00 mm)	G100P004H
DENSITY / SOUNDNESS BASKET (Ø 120 x 160 mm / Aperture: 3.35 mm)	G100P005H
DENSITY / SOUNDNESS BASKET (Ø 95 x 120 mm / Aperture: 1.18 mm)	G100P006H
DENSITY / SOUNDNESS BASKET (Ø 95 x 120 mm / Aperture: 0.600 mm)	G100P007H
DENSITY / SOUNDNESS BASKET (Ø 65 x 80 mm / Aperture: 0.150 mm)	G100P008H
SPECIFIC GRAVITY FRAME	G100X00XH

OTHER PHOTOS







