ARTEMIS
TESTING INSTRUMENTS

ART-BDA-ASTM D1895-C

Bulk Density Apparatus

V1.01

Introducing a brand new range of materials testing equipment from **ARTEMIS**

Bulk Density also often called Apparent Density is an extrinsic material property and is defined as the mass or weight of particles per unit volume including the space that they occupy. The measurement is useful for materials that include powders, granules, flakes and other divided materials. Typical examples are moulding powders, resins, granules and mineral components such as soil and gravel and it is very useful in understanding the bulk density of solid materials in industries that handle, process, and transport a variety of materials efficiently, which can change depending on how the material is handled.

The importance of Bulk Density
Handling and Transportation: Bulk density impacts handling and transport including material storage and transportation costs. .
Processing Efficiency: Understanding bulk density is essential when it comes to designing efficient processing equipment. This helps to determine appropriate size, capacity, and throughput of the equipment.
Mixing and Blending: Bulk density is crucial for accurately mixing and blending ingredients to ensure consistent product quality crucial for food and pharmaceuticals.
Storage Optimization: Different materials have varying bulk densities. Optimizing storage based on these bulk densities ensures efficient space utilization and minimizes the storage footprint.

The **ASTM D1895 method C** Bulk density funnel meets the specification of the ASTM D1895 test standard. Used for materials such as course flakes, chips, cut fibers and strands that cannot be readily poured through density funnels such as ASTM D1895-A and ASTM D1895-B. The apparatus is idea for materials which are typically very bulky when poured and which can reduce when compressed.

The apparatus is supplied with a 1000cm³ capacity measuring cylinder and weight plunger, capable of holding 2.5kg of lead ballast. The weight plunger has an integrated metric scale in 1mm graduations for taking measurements and handles for lifting.

Specifications

- ASTM D1895-C Bulk Density
- Manufactured to ASTM D1895-C International Testing Standard.
- Manufactured from CNC machined Aluminium and anodized
- Measuring cylinder 1000cm³
- Weight Plunger cylinder with Metric Scale and lifting handles
- Ideal for larger samples or particles such as course flakes, chips, cut fibers and strands
- Dimensions - 20cm x 13cm x 19cm
- Weight (kg) - 3kg
- UKCA/CE Certified
- Certificate of Calibration

Options

- Lead Ballast 3kg
- Weighing Balance 0.01g, 1100g capacity.