

Soil bulk density tester YDRZ-4L

Introduction:

YDRZ-4L soil bulk density measuring instrument according to the national standard GBT50123-99 requires the newly developed product "YDRZ-4L" type sand filling bulk density measuring instrument. The soil bulk density meter is suitable for on-site determination of the density of coarse-grained soil. It has a chassis, a sanding funnel, a bulk density bottle, and the valve is structurally strong and durable, and is made of stainless steel. The volume of the sand bottle is strictly calculated and the calibration error of the electronic balance is within 5g, which provides reliable data for the experiment. The sanding funnel is 135mm high and the volume of the sand bottle is 4L. The product also has a series of products (plastic, Iron sheet) is available.

Principle:

Using the ring cutter method, the guide rod and the drop hammer are used to apply natural pressure to the ring cutter without affecting the original structure of the soil.

Configuration:

2 ring cutters, 2 ring cutters, 1 orientation cylinder, 1 guide rod, 1 drop hammer, 2knobs



Technical Specifications Table:

Parameter	Specification
Product Name	YDRZ-4L Soil Bulk Density Measuring Instrument
Measurement Method	Ring Cutter Method
Volume of Sand Bottle	4L
Sanding Funnel Height	135mm
Calibration Error of Balance	$\leq 5g$
Material Options	Stainless Steel (Standard), Plastic, Iron Sheet (Available)
Key Components	2 Ring Cutters, 1 Orientation Cylinder, 1 Guide Rod, 1 Drop Hammer, 2 Knobs
Operating Principle	Apply natural pressure with guide rod and drop hammer to the ring cutter without disturbing the soil structure
Compliance Standard	GBT50123-99
Chassis Material	Stainless Steel (Durable and Strong)
Application	On-site determination of bulk density of coarse-grained soil