



Available Variants

1. Bulk Density Cylindrical Metal Measure – 1 Ltr.
2. Bulk Density Cylindrical Metal Measure – 3 Ltr.
3. Bulk Density Cylindrical Metal Measure – 3 Ltr. – ISI Marked – EIE Make
4. Bulk Density Cylindrical Metal Measure – 5 Ltr.
5. Bulk Density Cylindrical Metal Measure – 7 Ltr.
6. Bulk Density Cylindrical Metal Measure – 10 Ltr. – ISI Marked – For Aggregate – EIE Make
7. Bulk Density Cylindrical Metal Measure – 15 Ltr.
8. Bulk Density Cylindrical Metal Measure – 15 Ltr. – ISI Marked – EIE Make
9. Bulk Density Cylindrical Metal Measure – 20 Ltr.
10. Bulk Density Cylindrical Metal Measure – 20 Ltr. – ISI Marked – EIE Make
11. Bulk Density Cylindrical Metal Measure – 30 Ltr.
12. Bulk Density Cylindrical Metal Measure – 30 Ltr. – ISI Marked – EIE Make
13. Bulk Density Cylindrical Metal Measure Set – 3/15/30 Ltr.
14. Bulk Density Cylindrical Metal Measure Set – 3/15/30 Ltr. – ISI Marked – EIE Make

Description

Bulk Density Cylindrical Metal Measure is designed for the measurement of unit weights and voids in aggregate. It is used for determining the bulk density and voids of aggregate for concrete, weight per cubic meter, yield, cement factor and air content of freshly mixed concrete. It is also used for determining the density of fresh concrete, expressed as the mass of a quantity of fully compacted fresh concrete divided by its volume in kg/m^3 .

The apparatus is also suitable for determining clinker litre weight. For this purpose, the sample is sieved, the measure is filled, the material is struck off using a straight edge without compacting, and the measure is weighed for calculation.

The measure is machined to accurate internal dimensions and is watertight, rigid enough to retain its form during rough usage and protected against corrosion.

Applications

- Measurement of unit weights and voids in aggregate.
- Determination of bulk density and voids of aggregate for concrete.
- Determination of weight per cubic meter, yield, cement factor and air content of freshly mixed concrete.
- Determination of density of fresh concrete in kg/m^3 .
- Determination of clinker litre weight.

Apparatus Details

- Made from thick-gauge mild steel.

Corporate Office:

A-1301, BVR Ek, Opp. Hotel Inder Residency,
Near Gujarat College, Ellisbridge,
Ahmedabad-380 006.
Phone : (079) 6621 1234
Website : www.eieinstruments.com

Calibration Laboratory:

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Opp. Primary School, Village Kubadthal,
Tal-Daskroi, Ahmedabad-382 433.
Phone: (079)-3520 8300
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GST TIN No. : 24AABCE4018L1ZU
I.T. PAN No. : AABCE 4018L
IEC No. : 0813026598 Dt. 04/03/2014
CIN No. : U29199GJ2004PTC045078
TAN No. : AHME00572F



- Stout and rigid to retain form.
- Watertight from top and bottom.
- Smooth interior wall.
- Precision machined for true measurements.
- Complete with handles for easy carriage.
- Accurate internal dimensions.
- Protected against corrosion.
- Stainless steel available on request.

Technical Specification

Overall Dimensions	As per the selected variant
Approx. Weight	As per the selected variant
Internal Diameter	250 mm ($\pm$ 2 mm)
Internal Diameter	350 mm ($\pm$ 2 mm)
Tamping Rod	16 mm diameter $\times$ 600 mm long
Tamping Rod Supply	Supplied complete where specified; otherwise available at extra cost
Electronic Weighing Balance	Available at extra cost
Weighing Balance Capacity	30 or 50 kg capacity
Other Accessories	Sieves available at extra cost
Other Test Accessories	Electronic weighing balance, square-mouthed shovel, straight edge, masonry trowel, steel float, mallet, mixing tray, tamping rod, etc., available at additional cost
Material Option	Stainless steel available on request
Aggregate Capacity Selection	According to the maximum nominal size of the coarsest particles of aggregate
Construction Requirement	Watertight, sufficiently rigid to retain form under rough usage and protected against corrosion

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