



EIE INSTRUMENTS PVT. LTD.
(An ISO 9001:2015 Certified Company)

ASPHALT MIXTURES-THEORETICAL DENSITY METER- WITH VACUUM PUMP



Used for determining the theoretical maximum specific gravity of uncompacted bituminous paving mixtures. The set consist of two vacuum containers, vacuum pump with digital vacuum indicator, vibratory table and control panel.

Compliance Standards

ASTM D2041-03, AASHTO T209, AASHTO T283

Applications

This equipment is used for determination of theoretical density of asphalt mixer by vacuum method for application such as asphalt mixer design, road condition investigation, calculation of porosity and compactness in road construction quality management.

Details

- Designed as per ASTM D2041-03 Standard.
- With Digital Timer and Digital Vacuum Indicator
- This equipment has a main body fitted with a vacuum transmitter, 2 vacuum containers made of acrylic pipe & a vibratory table under with complete control panel.
- The Vibratory table operates to release the entrapped air from the asphalt sample kept inside the vessels.
- It is suitable to work on 230 V AC single phase 50 Hz.
- Vacuum range 0-100 KPA (0-750 mm Hg)
- User can test 02 Nos. of samples at time.

Optional Accessories At Extra Cost :

- Electronic Weighing Balance with under hook weighing facility : 10 kg X 0.1 gm

1. Hot Air Oven

2. Constant Temp. Water bath for maintaining the water temp.@25 deg C
3. Mercury in Glass Thermometer 0-50 X 0.5 deg C
4. Filter Flask capacity 4000 ml approx. with a rubber stopper

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