labodam

Specific Gravity Tester

LSGT-A10

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Specific Gravity Tester LSGT-A10 are equipped to determine the theoretical maximum specific gravity of bituminous mixtures in accordance to ASTM D2041 Standard Test Method for Theoretical Maximum Specific Gravity of Bituminous Mixtures (Vacuum process). Adopts single chip machine technology to shake a loose asphalt mixtures sample submerged in water while at the same time applying vacuum into the sample and extracting all air bubble out.

Features

- High test efficiency
- Test 2 samples at one time
- Adopts single chip machine technology
- Equipped with a high-accuracy absolute pressure sensor
- Vacuum meter showing working status of vacuum pump
- Water buffer device preventing water flow from negative pressure container into the vacuum pump

Applications

Suitable for measuring theoretical specific gravity of bituminous mixtures. Can also be used for the calculation of the percent of air voids in compacted bituminous mixtures and the amount of bitumen absorbed by the aggregates.

Specifications

Model No.	LSGT-A10
Vessel Volume	4000 ml × 2
Power of Vacuum pump	160 W
Negative power	3.7 kPa (27.75 mmHg)
Power of shaking machine	30 W
Power supply	AC(220±10%)V, 50Hz
Dimension	510×520×380 mm
Optional Accessory	Constant temperature water bath

Accessories and Documents List

No.	Name	Unit	Qty
1	Specific Gravity Tester LSGT-A10	Set	1
2	Negative pressure container (4000ml)	Piece	2
3	Sealing ring	Piece	2
4	Fuse 3A (Φ5×20)	Piece	2
5	Glass cover-plate	Piece	1
6	Quick-plug and connecting pipe (1 meter)	Piece	1
7	Operation manual	Piece	1

Reagent and Auxiliary Equipments

No.	Name	Specification	Quantity	Memo
1	Asphalt solution	–	1 litres	Gasoline
2	Distilled water	Three grade	Some	–