



SOLID MATERIALS DENSITY TESTER TTD- SLE

Solid Materials Density Tester TTD-SLE specifically designed for elastic solid materials, suitable for large-size samples with dimensions of 290mm in length, 255mm in width, and 160mm in height.

Density Meter, Density Tester, Densimeter, Specific Gravity Tester

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Maximum Weight Capacity: Supports maximum weights of 2000g, 3000g, or 6000g.

Weighing Precision: Offers weighing precision of 0.01g for 2000g and 3000g capacities, and 0.1g for the 6000g capacity.

Precision in Density Measurement: Provides density measurement precision up to 0.001g/cm³.

APPLICATIONS

Suitable for

Laboratory of solder, brass, bronze, silver, nickel, zinc, plastic, rubber, wire and cable, glass, film, hard alloy, soft synthetic leather, leather, elastic material, oil seal, oil ring, new materials, and other recycling industries.

Principle

Referring to the standards of ASTM D297, D792, JIS K6530, ISO2781, 1183 and by applying the buoyancy of the object immersed in the liquid and hydrostatics principle, the density, volume, and mixture ratio of dense solid materials can be shown.

Functions

1. Density Measuring Mode (DS): Measures both density and volume.
2. Mix Ratio Density Measuring Mode (Mix1): Determines the proportion of the primary material.
3. Mix Ratio Density Measuring Mode (Mix2): Determines the proportion of the secondary material.

FEATURES

- Solid Materials Density Tester TTD-SLE can measure the specific gravity of solid, granular, and floating objects.
- Solid Materials Density Tester TTD-SLE equipped with solution compensation function.
- Infrared temperature sensors automatically detect water temperature and compensate accordingly.
- Solid Materials Density Tester TTD-SLE features RS-232C / USB computer interface for easy connection to PC and printer.
- Incorporates a modern touch screen for intuitive operation and instant display of all measurement data.
- Includes mixing ratio function to measure the proportion of main materials in two mixed substances. For instance, it can calculate glass fiber content based on preset mixing ratios.
- Offers upper and lower limit functions to determine the qualification of specific gravity for tested objects. Equipped with a buzzer for notification.
- Utilizes a large tank design to minimize error due to hanging rail buoyancy. The water tank size is 290x 255x 160mm.

TECHNICAL SPECIFICATIONS

Model	TTD-SLE2000	TTD-SLE3000	TTD-SLE6000	
Max Weight	2000g	3000g	6000g	
Weighing Precision	0.01g		0.1g	
Density Precision	0.001g/cm3			
Volume Precision	0.001g/cm3			
Mixing Ratio 1	0.01%			
Mixing Ratio 2	0.01%			



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