



## LIQUID DENSITY TESTER TTD-153G

Liquid Density Tester TTD-153G, the ideal instrument for precise liquid density measurements. With a maximum weight capacity of 150g, this device ensures weighing precision up to 0.001g and density precision up to 0.0001g/cc.

**Max weight :** 150g

**Weighing precision :** 0.001g

**Density precision :** 0.0001g/cc

**Concentration :** 0.1%-100.0%

Density Meter, Density Tester, Densimeter, Specific Gravity Tester

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## **APPLICATIONS**

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## Suitable for

Acid Solution, Alkaline Solution, Saline Solution, Anti-oxidant Solution.

## Principle

According to the standard test method of ASTM, JIS, ISO, the buoyancy Method using the Archimedes principle is applied. The relative density and concentration of the liquid are obtained.

## FEATURES

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- Measures the specific gravity of various liquids, including high viscosity, suspensions, emulsions, and colloidal dispersions.
- Compatible with a constant temperature water tank to measure specific gravity at the desired temperature.
- Equipped with an infrared temperature probe for automatic liquid temperature measurement.
- Mixing ratio function to measure the ratio of primary materials in two mixed substances, such as calculating the glass fiber content.
- Requires only 50cc of liquid to quickly display its density. Any weight can be set as the standard value, making it easy to operate.
- Liquid Density Tester TTD-153G features a modern touch screen for simple operation and immediate display of all measurement data.
- Includes two concentration functions that convert density measurements into concentration values.
- Various weight sets available for purchase to suit different liquid characteristics.
- Teflon weight set available for measuring the specific gravity of hydrofluoric acid.

## TECHNICAL SPECIFICATIONS

|                        |                                                            |
|------------------------|------------------------------------------------------------|
| Model                  | TTD-153G                                                   |
| Max weight             | 150g                                                       |
| Weighing Precision     | 0.001g                                                     |
| Density precision      | 0.0001g/cc                                                 |
| Relative density range | 0.0001~2.2000(Glass Weight)                                |
| Concentration          | 0.1~100.0%                                                 |
| Function               | With temperature sensor, it can measure liquid temperature |



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