Electronic Densimeter
Model: ALD-300TS

ALZRO series touch screen solid densimeter is based on ASTM D792, ASTM D297, GB/T1033, GB/T2951, GB/T3850, GB/T533, HG4-1468, JIS K6268, ISO 2781, ISO 1183, GB/T208, GB/T5163, GB/T 1933, GB/T4196, GB/T4123, GB/T5586, and JB/T7780 adopt the principle of Archimedes' water displacement method.

Widely used to test any irregular density greater than one or less than one rubber, plastics, wires and cables, food, composite materials, cosmetics, shoe materials, glass, precious metal hardware, plastics, wires and cables, auto parts, magnetic iron cores, Powder metallurgy, micro fans, tires, etc.; can directly read the average weight in air, average weight in water, and density, volume, and percentage of solid, granular, film, and floating body samples.

Standard Accessories

a densimeter, a measuring table, a sink, a power adapter, a tweezers, a calibration weight, an anti-floating frame [the test density is less than the density of water], a set of particle density test components [glass beaker] and stainless steel tennis balls], one instruction manual, and one certificate of conformity

Technical Specification	
Weighing Sensor	German HBM Sensor
Density Measurement Platform	ABS one-piece injection molding
Test Base	Precision alloy one-piece molding
Density Test Types	Any irregular solid, particle, or floating body with density >1 or <1
Density Test Range	0.001—99.999g/cm³
Test Sink	One-piece injection-molded transparent sink made of PC material(size: length 15.3 × width 10.7 × height 8.0cm)
Test Methods	Archimedes' principle buoyancy method [covering saturation method, boiling method, sealing wax method]
Test Value	Density, volume, volume percentage, porosity, water absorption, average density,minimum density, maximum density
Save Test Results	Automatically save 100 groups of density values, and automatically display the average, maximum and minimum values, according to the number of saved groups
Data Interface	Standard RS-232 interface, USB interface can be customized
Display Screen	4.3" touch screen
Product Size	200×290×200mm
Package Size	430×200×370mm
Weight	NW:3.0kg GW:3.5kg
Voltage	AC100V~240V 50HZ/60HZ

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Product Selling Points:

1. Built-in temperature sensor can automatically realize temperature compensation function.

2. Using sensors imported from Germany HBM, the weighing is stable, and the density value is accurate.

3. 4.3-inch touch screen operation, easy to operate, built-in guided test step prompts, simplifying andspeeding up the operation process

4. Solution compensation setting, using water as medium, other liquid media can also be used.

5. Automatically store 100 sets of test values, and automatically calculate the average, maximum andminimum values

6. The upper and lower limits of the density of the test product can be set to judge whether the material is qualified or not. It has a buzzer function.

7. Standard RS232 printer interface (USB interface can be customized), which can be connected to thermal printers, label printers and computers, and can customize printed content such as tester name,sample name, company name, etc.

8. Multi-functional host, optional liquid accessories can be used to test the density of liquids,optional powder devices can be used to test the true density of powders, and a density meter can be used to test solids, liquids, and powders.

9. The stability time, zero point and response speed of the density meter can be adjusted by yourself according to the laboratory test environment.

10. Built-in 2000 Mah lithium battery, easy to carry.

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