

HZSD-29B Intelligent Petroleum Tester



Dear user:

Thank you for choosing HZSD-29B Intelligent petroleum tester.

We hope that this instrument can make your work easier and more enjoyable, so that you can get the feeling of office automation in the test and analysis work.

Before using the instrument, please read this manual, and operate and maintain the instrument according to the manual to prolong its service life. "Just a light press, the test will be completed automatically" is the operating characteristics of this instrument.

If you are satisfied with this instrument, please tell your colleagues; if you are not satisfied with this instrument, please call (0312) 6775656 to tell you to serve you at all times-Baoding Huazheng Electric Manufacturing Co., Ltd., our company will definitely make you satisfied !

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I、 Product Description

According to GB / t13531, ASTM d287 and other specifications. The buoyancy method of Archimedes principle is applied to quickly read the API values of relative density, concentration and specific gravity of oil products. II. Performance Characteristics.

II、 API coefficient Description

it refers to the coefficient of relative density conversion API. The relative density of liquid and API cannot show an absolute linear relationship, but a certain curve relationship. The equipment adopts a unique 4-point curve algorithm to convert the relative density of various liquids to API. The 4-point curve algorithm has higher accuracy than the 2-point linear algorithm. Under different temperatures, the relative density conversion API coefficients of the same liquid are different. The equipment has built-in multiple groups of oil products (petroleum, crude oil, glycerol, lubricating oil, etc.) Concentration conversion coefficient at no temperature.

III、 Digital display direct reading

relative density (specific gravity), specific gravity API, concentration... And other parameters.

IV、 Applicable liquids

petroleum, crude oil, etc.

V、 Product features

Touch operation, one key selection of petroleum API value, without cumbersome setting steps, the operation is simple and easy to understand;

The unique multi-point curve concentration measurement algorithm is used to test the API of various oil products (such as crude oil, petroleum, lubricating oil, etc.), and the API accuracy can reach $\pm 0.1\%$. Compared with the common two-point linear API measurement algorithm in the market, the multi-point curve API algorithm has higher accuracy;

The built-in temperature setting compensation function can quickly set the temperature value of the crude oil to be measured. The thermostatic equipment mam-hw-1008 can also be selected to measure the density / concentration / Baume value of the crude oil at a specific temperature (such as 25 °C);

The instrument is operated by microcomputer touch screen, and the parameter settings in Chinese and English are clear at a glance; And each operation step can be reversed (for example, if you find a problem in any operation step, you can return to the step and operate again without starting from scratch);

Equipped with anti-corrosion and high temperature accessories, it is suitable for most liquid detection and 0 consumables in the use process.

VI、 Technical parameter

Model	HZSD-29B
Max load	150g
AIP scope	0.01~100.00°
API accuracy	0.01°API
Temperature resistance range	-20~270 °C
measuring principle	Substitution method of Archimedes principle
Temperature compensation range	0-110 °C
Measurement time	5 seconds
The results show that	Density, API degree
Density / concentration resolution range	0.001~99.999g/cm ³ / 0.01%~100%
supply voltage	AC100V~240V 50HZ/60HZ