

HZ7550

Crude Oil Wax Content Tester



Dear user:

Thank you for choosing HZ7550 Crude Oil Wax Content 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 !

Contents

I.General Information.....	1
II.Performance characteristics.....	1
III.Technical parameter.....	1
IV.Packing list.....	2

I.General Information

The HZ7550 crude oil wax content tester is designed and manufactured according to the requirements of the People's Republic of China industry standard SY/T-7550 "Determination of Wax, Gum, and Asphaltene Content in Crude Oil". It is suitable for determining the water content of no more than 0.5% (quality Fraction) of the wax content in crude oil products.

II.Performance characteristics

1. Adsorption device: stainless steel bath, automatic constant temperature with digital display temperature controller. The temperature control point can be adjusted arbitrarily with a built-in circulating pump in the water bath, which is connected to the adsorption device to keep the temperature within the required range. The water bath is covered with two heating inlets to heat the glass container.
2. Dewaxing and filtering device: two-slot four-hole stainless steel bath, digital display temperature controller automatic constant temperature. The temperature control point can be adjusted arbitrarily, and it is equipped with a constant temperature bath stirring device to improve the temperature control accuracy.
3. Two-tank cold bath constant temperature range: room temperature ~ -40°C accuracy: $\pm 0.5^{\circ}\text{C}$, the temperature control point can be adjusted arbitrarily without affecting each other.

Constant temperature point of the left cold bath: -20°C ; accuracy: $\pm 0.5^{\circ}\text{C}$; there are two cooling holes to facilitate sample cooling,

Constant temperature point of the right cold bath: -25°C ; accuracy: $\pm 0.5^{\circ}\text{C}$, with a dual-motor stirring device for stirring the sample, the filter device is built in the bath, which can keep the sample at a low temperature during the filtration process, suction filtration. The bottle is equipped with a suction filter pump for convenient and suction filtration.

III.Technical parameter

1. Power supply: AC220V $\pm 10\%$, 50Hz
2. Water bath heating power: 2.0kW
3. Temperature control range of water bath: room temperature $\sim 90^{\circ}\text{C}$
4. Working cold groove: two grooves and four holes, two grooves are isothermal

5. Temperature control range of cold bath: -40℃~room temperature
6. Refrigeration system: new compressor refrigeration
7. Temperature control accuracy: $\leq\pm 0.5^{\circ}\text{C}$
8. Temperature display: LED digital display
9. Ambient temperature: $\leq 35^{\circ}\text{C}$
10. Relative humidity: $\leq 85\%$

Product number	HZ7550
product name	Crude oil wax content tester
Test items	It is suitable for determining the wax content in crude oil products whose water content is not more than 0.5% (mass fraction).
Standards compliant	Standard SY/T-7550 "Determination of wax, gum and asphaltene content in crude oil"
Technical characteristics or parameters	Two-slot four-hole stainless steel bath, digital display temperature controller automatically keeps constant temperature. The temperature control point can be adjusted arbitrarily, and it is equipped with a constant temperature bath stirring device to improve the temperature control accuracy.

IV.Packing list

No.	Name	Unit	Quantity	Remark
1	Main Device	set	1	
2	Adsorption column	pc	1	
3	Erlenmeyer flask	pc	1	
4	Universal clip, double top wire	pc	3	
5	Strut	pc	2	
6	Thermometer: -80~60 °C	pc	2	
7	Bottle mat	pc	1	
8	Glass sand core funnel	pc	1	

9	Test tube and rubber stopper	set	3	
10	Filter bottle	pc	1	
11	Asphaltene content tester	set	1	
12	Asphaltene Extractor	set	1	
13	Hose	meter	1	
14	Water bath cover	set	2	
15	Vacuum pump	set	1	
No.	Name	Unit	Quantity	Remark
1	Vacuum drying oven	set	1	Constant temperature to 100-110 degrees
2	Muffle furnace	set	1	High temperature to 1000 degrees
3	Electronic balance	set	1	0.1mg
4	Distillation instrument	set	1	Comply with GB/T6536
5	Oil bath	set	1	Asphaltene content determination needs
6	24#Grinding Conical Flask	pc	2-4	Asphaltene content determination needs
7	Glass dryer (with silica gel desiccant)	pc	1	
8	19#Grinding Erlenmeyer Flask 100ml	pc	2-4	Wax determination required
9	50ml beaker	pc	2-4	
10	100ml measuring cylinder	pc	2-4	
11	Pipette 10ml	pc	2-4	