ZSF-III Intelligent Moisture Tester

Intelligent moisture tester is widely used in the industries like industrial and mining enterprises, agriculture, scientific research institutions, etc. It can test the free water contained in the samples like tobacco, paper-making, food, tea, feed, grains, chemical raw materials, pharmaceutical raw materials and textile raw materials, etc.

Features

- Dried by halogen bulb at constant temperature, heat is concentrated to dry the moisture quickly.
- High-precision temperature sensor and automatic frequency converting control technology, with high temperature control precision.
- Combined measurement of multiple heating and analytical modes gives customers richer measuring means.
- High-precision weighing sensor which can weigh precisely.
- Automatic detection of loss on drying and automatic calculation of moisture value after constant weight.
- Automatic presetting of drying temperature and automatic test of moisture value; preset value and real-time value are displayed by time division
- Automation: automatic detection, automatic diagnosis and automatic alarm.

Specification

Model	ZSF-Ⅲ
Measuring Method	Halogen lamp radiant heater and high-precision weighing sensor technology
Weighing Range	0-100g
Readability	0.01%/0.001g
Measuring Range	0.01%~100%
Set Time	1-199min (1min interval)
Set Temperature	50~150℃ (1℃ interval)
Heating Source	300W annular halogen lamp
Working Temperature	10℃~40℃
Working Power Supply	AC220V±10% 50Hz±1Hz
Size of Scale Pan	Ø50mm
Overall Dimensions	100(L)×200(W)×300(H) mm

RD-I Melting Point Tester

Melting point tester adopts capillary tube as sample tube and liquid temperature transfer mode prescribed in Pharmacopoeia; it can be widely used in the production and scientific research of pharmaceutical, chemical reagents, spices, dye and other industries to measure the melting points of organic crystalline substances.

Features

1. High-precision temperature sensor measures the temperature and it can correct non-linear error automatically.
2. Full-automatic frequency converting control technology has high temperature control precision and small linear error of heating rate.
3. Automatic magnetic stirring system, oil bath temperature is uniform.
4. Automation: automatic measurement, automatic diagnosis and automatic alarm.
5. Equipped with new type front paper change thermosensitive miniprinter which is convenient for recording and saving experimental data.

Specification

Model	RD - Ⅰ
Melting point test range	from room temperature to 270ºC
Heating rate	four levels: 0.5ºC/min; 1ºC/min; 1.5ºC/min; 3.0ºC/min
Deviation of linear heating rate	< 5%
Temperature transfer medium	methyl silicone oil
Liquid cup for temperature transfer	250ml beaker in tall form
Melting point test precision	less than 200ºC not more than ±0.5ºC; more than 200ºC not more than ±1.0ºC
Indicating value resolution	0.1 ºC
Operational environment temperature	18ºC - 28ºC
Interface	Standard serial printing interface, with its own micro - printer.
Power supply	AC220V±10%; frequency: 50Hz; power: 200W
Overall dimensions	LWH 200mm320mm305mm
Working condition	reset state, temperature control state and start test state; full-automatic frequency converting control technology has high temperature control precision and small linear error of heating rate.

The preset value recorded this time is saved after shutdown and the preset temperature upon starting next time is the preset value this time.
After the preset temperature is reached, delay about 1min to make the liquid in the stable temperature state, which is prompted by buzzer.
When the sample melts, the values of initial melting point and final melting point can be recorded by using initial melting and final melting keys.