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XinYI382-150 portable temperature calibrator

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I. overview:

Portable temperature calibration furnace adopts high stability temperature control instrument, soaking block adopts alloy material with better thermal conductivity. In technology, it is synchronized with the advanced technology at home and abroad, and is in the leading position in the technology of insertion depth, horizontal temperature field, vertical temperature field and so on. When used in the required temperature range, it can easily set and accurately generate the required temperature. It has the characteristics of small size, fast heating, stable temperature control and pollution-free. It can check temperature sensors and instruments as a whole. Therefore, it is easy to carry, easy to use, and easy to fast and reliable temperature calibration. It is widely used in machinery, chemical industry, food, pharmaceuticals and other industries.

The design principle of portable dry body temperature calibration furnace is easy to carry, easy to use, easy to fast and reliable temperature calibration, which is widely used in machinery, chemical industry, food, pharmaceuticals and other industries.

2、 Technical index

model	XinYI382-150
Two, technical indicators	-20-150℃
Heat source	Refrigeration plate
Instrument accuracy	Grade 0.1
Stability	±0.05℃/2min
Display resolution	0.01℃
Well depth	160mm
Well size	Φ34mm
Orifice size	Φ6mm Φ8mm Φ10mm Φ12mm
Box size	340×230×340mm
Horizontaltemperature field	±0.1℃
Vertical temperature field	40≤0.5℃
Power	400W
Power Supply	220V/50Hz/60

If there are special hole diameter requirements on site, it can be customized

Test methods and reference procedures

Verification regulation of jjf1257-2010 portable temperature calibration furnace

3、 Structure

The portable dry body temperature calibration furnace adopts semiconductor cooling sheet for cooling and heating, and uses single zero crossing trigger module to adjust the temperature balance.

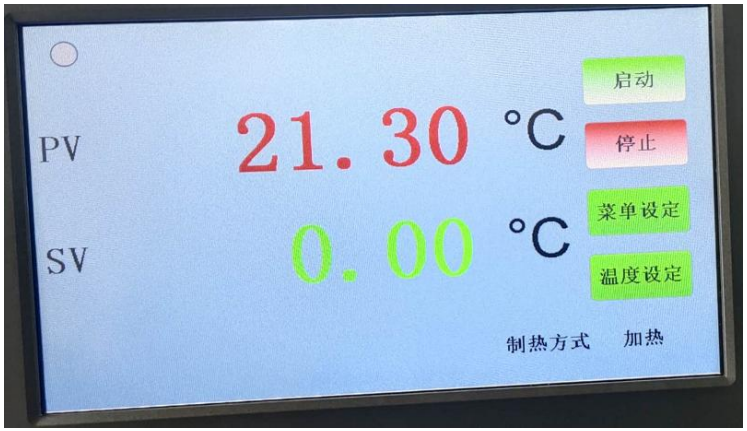
Portable temperature calibration furnace is also a conventional well furnace. The aluminum alloy block is used as the equilibrium temperature to keep the temperature balanced under the action of the soaking block. A test jack is opened above the soaking block, and the thermocouple to be tested is inserted into the soaking block for testing. Let the test balance, can accurately calibrate the quality of thermocouple.

The calibration furnace adopts large screen LCD touch screen, which is easy to operate. Air cooling structure, when the internal temperature of the calibration furnace reaches 150 ℃, the furnace shell surface is still normal temperature.

Note: the calibration furnace only provides a test temperature source, not for standard use.

4、 Operating instructions

1.Turn on the main power switch directly below the calibration furnace. At this time, the instrument will start to power up and display the basic page



PV shows the actual temperature reached

SV displays the set temperature point

Green is the working state, you can click if you need to stop 

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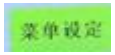
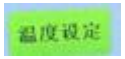


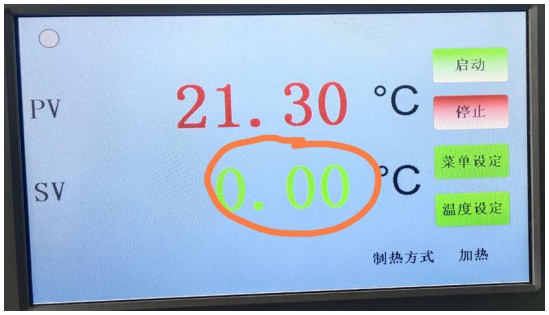
For system setting, internal parameter optimization does not need to be adjusted.



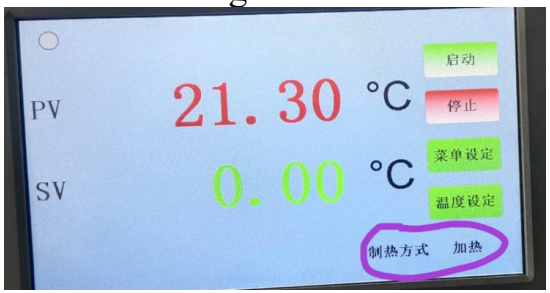
For setting temperature.

It is used for refrigeration and heating regulation conversion,

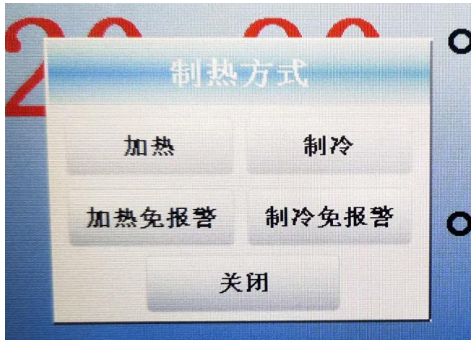
For example, we now set 0 ° temperature, as shown below



Click the circled temperature screen, jump out of the temperature, directly set the required temperature, and exit after setting.



Heating mode: heating, click heating, the screen will pop up as。



Click: refrigeration, close, screen adjustment is completed. Turn the knob switch under the instrument to refrigeration mode, and the electric furnace starts to work. When the temperature reaches the required constant temperature for 20 minutes, the measurement will be started after the temperature is stable. After the test, turn the knob switch to the middle stop.

Change from refrigeration mode to heating mode, turn the knob switch to the middle stop, and change the setting temperature, for example: 100 ℃, from heating mode to heating mode. Pause for 5-8 minutes, then turn the knob switch to heating mode and start to work.

In refrigeration, heating conversion must adjust heating mode, otherwise it will not work.

In order to avoid reducing the service life of the refrigeration sheet, 5-10 minutes must be stopped in the middle of the cold and heat exchange. Attention shall be paid when using.

5、 Precautions:

1. When used on site, the power plug must be reliably grounded and the power supply shall be used; AC220V ± 10%. Frequency: 50 / 60Hz.

2. The thermocouple to be tested must be inserted into the bottom of the furnace, and attention shall be paid to the influence of surrounding fans and other air sources

Furnace stability. Avoid the test accuracy of environment to temperature test.

The warranty period of the product is one year from the date of purchase.