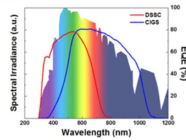


TGA55 Thermo gravimetric analyzer



Structural advantages:

1. The furnace body is heated by double-row winding of precious metal nickel-cadmium alloy wire, which reduces interference and is more resistant to high temperatures.
2. The tray sensor is made of precious metal alloy wire, which has the advantages of high temperature resistance, oxidation resistance and corrosion resistance.
3. The power supply and circulating heat dissipation part are separated from the main machine to reduce the influence of heat and vibration on the micro-thermal balance.
4. Adopt top-opening structure, easy to operate. It is difficult to move the furnace body up to place the sample, and it is easy to damage the sample rod.
5. The host uses the heat insulation of the heating furnace body to the chassis and micro-thermal balance.
6. The furnace body can be replaced according to customer requirements



Controller and software advantages:

1. Using imported ARM processor, sampling speed, processing speed is faster.
2. Four-channel sampling AD collects TG signal and temperature T signal.
3. Heating control, using PID algorithm, precise control. Multi-stage heating and constant temperature
4. The USB two-way communication is adopted between the software and the instrument to fully realize remote operation. The parameter setting of the instrument and the operation and stop of the instrument can be carried out through the computer software.
5. 7-inch full-color 24bit touch screen, better man-machine interface. TG calibration can be achieved on the touch screen

Technical parameters:

Temperature range	Actual maximum temperature 1150°C(A) Actual maximum temperature 1350°C(B) Actual maximum temperature 1600°C(C)
Temperature resolution	0.01°C
Temperature fluctuation	±0.01°C
Heating rate	0.1 ~ 100 °C / min
Temperature control mode	Rising, Constant temperature
Program control	Program setting multi-stage heating and constant temperature
Cooling time	15min (1000°C ~ 100°C), Natural cooling
Balance measuring scope	1mg~3g , Can be expanded to 50g
Sensitivity	0.01mg
Constant temperature and time	0 ~ 300min (set arbitrarily)
Display	Liquid crystal display (LCD), English version
Atmosphere device	Built-in gas flow meter, includes switch two path gas and control flow volume
Software	Record TG curves automatically, Processing data and print
Data interface	USB interface
Power	AC220V 50Hz
Size	500*400*430mm