



■ Technical Parameters

Furnace Temperature Range: 0°C ~ 1550°C

Temperature Controlling Accuracy : <5°C

Resolution : 1°C

Sample Number: 1~5 samples per test

Temperature Rising Speed: Comply with ASTM D 1857-04

Laboratory Atmosphere: Oxidability or weak reducibility

Power Supply: 220V, 50/60HZ

Maximum Power: ≤ 5KW

Cabinet Dimension : 850mm x 400mm x 600mm

Weight: 52kgs

■ Application Area

Suitable for measuring ash Fusion in coal ash for industries such as electric power, coal, commodity inspection, environmental protection metallurgy, papermaking , chemical industry, collate industry, science & research institution and inspection administration.

■ Features

1. Temperature reading, controlling and stabilizing controlled by computer automatically. Introduce the technology of CCD photography to collect the graphic of ash cone, which will be automatically stored and printed out. One test could determine 1 ~ 5 samples
2. Novel heating element and heat preservation material are adopted to ensure the furnace not to be destroyed and distorted after long time working under a high temperature of 1550°C.
3. Controlling card adopt high precision reference power supply, low temperature drift and high accuracy amplifier, 4.5-bit A/D switching chip, cold-junction compensation, over-temperature protection.
4. According to the real-time graph of ash configuration changing in the heating process to determine the fusibility temperature, including deformation point (DT), softening point (ST), hemisphere temperature (HT) and floating temperature. (FT)
5. The ash graph saved in the computer can be called out at any time for further inspection and analyzing.
6. The results of ash graph could be printed out and the temperature rising curve can be displayed on the screen.
7. Introduce the advanced PCI technology, complying with the latest development in Computer technology. Various instruments could integrate into a synthesized testing instrument, realizing one PC control multi-instrument.
8. Completely support Windows systems; high stability; can link electronic scale and share data in long distance through network.
9. Conform to ASTM D 1857-04.



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