



Ash Fusion Tester



SDAF105 Ash Fusion Tester

Application:

Sundy Ash Fusion Tester can be used to determine the four characteristic temperatures (DT, ST, HT & FT) of coal and coke ash.

Conformance with Standards:

ASTM D1857-04 Standard Test Method for Fusibility of Coal and Coke Ash

ISO540 (2004) Hard coal and coke Determination of ash fusibility

GB/T2192008 Standard Test Method for Fusibility of Coal

Standard Layout:

SDAF105 Ash Fusion Tester

Lenovo PC (Desktop)

Printer

Size:

550*850*843mm

N.W.:

100kg



Sample loading at ambient temperature

Highlights

1.High automation

Automatically loading the cone support at ambient temperature.
Automatically identifying four characteristic temperatures.

2.More sample loading

Up to 9 samples can be loaded once.

3.Real-time monitor test process

Equipped with CCD camera technology, the whole test process will be monitored in real time; the images will be shown on the computer screen and stored.

4.Accurate test result

HD colour camera makes the images clearer, thus the identification of characteristic temperature can be more accurate.

5.Recheck the test result available

On completion of the test, the stored image can be replayed for finding the characteristic temperature manually.

6.Precisely controlled furnace temperature

7.Low gas consumption

8.Easy to operate and handle

- Easy-to-use Windows®-based software.
- Easy data handling, real time data can be transmitted through internal network.
- With CAN bus interface, several ash fusion testers can be controlled by a single PC.

Specifications

Samples Number : 5 (9 samples available according to customers' requires)

Max Temperature:1600°C

Temperature Resolution: 1°C

Furnace Material: Mullite

Heating Element: Silicon, Molybdenum rods

Heating Rate (User-defined available): $20 \pm 5 \text{ }^\circ\text{C} / \text{min} (\leq 900 \text{ }^\circ\text{C})$
 $5 \pm 1 \text{ }^\circ\text{C} / \text{min} (> 900 \text{ }^\circ\text{C})$

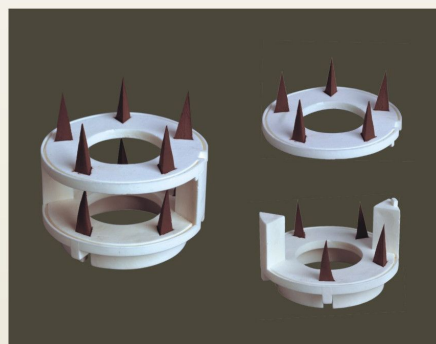
Test Atmosphere:

Reducing atmosphere: Gas flow method

Oxidizing atmosphere: Air flow method

Power Requirement: 220V(-15%~10%), 50Hz

Max Power: 2.4kW



Cones