

MOIST-41, Moisture Tester



Wide application scope, high test capacity
 Applicable to all varieties and types of coke and coal. It can test 18 samples for moisture content on air dried basis or 9 samples for total moisture each time and is capable of testing several batches of samples continuously.

Satisfying umpire analysis
 With the provision for passing a current of dry nitrogen through it & adopting light-wave heating, which features high heating rate and even heat distribution, the equipment satisfy umpire analysis.

High automation
 Automatic weighing function could display real-time sample weight & calculate test results automatically.

Easy to handle

With CAN bus, several moisture testers can be controlled by a single PC balance could be connected and data could be transmitted by real-time network transmission.

Application:

Moisture Tester can be used to determine moisture content on air dried basis and total moisture in coal, coke, petroleum, minerals and so on.

Conformance with Standards:

ISO117722 Solid mineral fuels Hard coal Determination of moisture in the general analysis test sample by drying in nitrogen ASTM D5142-09 Standard Test Method for Proximate Analysis of the Analysis Sample of Coal and Coke by Instrumental Procedures GB/T212-2008 Standard Test Method for Proximate Analysis of coal GB/T211-2007 Determination of total moisture in coal.

Model	MOIST-41
Max Sample	18 samples (Inherent moisture) 9 samples (total moisture)
Sample Weight	(0.9-1.1)g for moisture content on air dried basis; (10-12)g for total moisture
Furnace Temperature	105°C ± 110°C
Temp. Control Precision	±3°C
Analysis Time	(20-40)min
Power Requirement	220V(-15%-10%), 50Hz
Max Power	1.5kw
Size / Net weight	542x506x564mm / 53kg
Standard Layout	Moisture Tester / Lenovo PC (Desktop) / Printer

ASH-10, Ash Fusion Tester



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

More sample loading
 Up to 9 samples can be loaded once.

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 & stored.

Accurate test result
 HD color camera makes the images clearer, thus the identification of characteristic temperature can be more accurate.

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

Precisely controlled furnace temperature
Low gas consumption

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.

Application:

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)Hrd coal and coke Determination of ash fusibility. GB/T2192008 Standard Test Method for Fusibility of Coal.



Model	ASH-10
Samples Number	5 (9 samples available according to customers requires)
Max. Temperature	1600°C
Temp. Resolution	1°C
Furnace Material	Mullite
Heating Element	Silicon, Molybdenum rods
Heating Rate (User-defined available)	20±5°C/min(≤900°C) 5±1°C/min(>900°C)
Test Atmosphere	Reducing atmosphere: Gas flow method; Oxidizing atmosphere: Air flow method
Power Requirement	220V (-15%-10%), 50Hz
Max Power	2.4kw
Size / Net weight	550x850x843mm / 100kg
Standard Layout	Ash Fusion Tester / Lenovo PC (Desktop) / Printer