

Leading the Way to Superior Boiler Efficiency

UCMS10 Carbon in Ash Monitoring System

Providing Clear Insights into Boiler Combustion for Informed Optimization

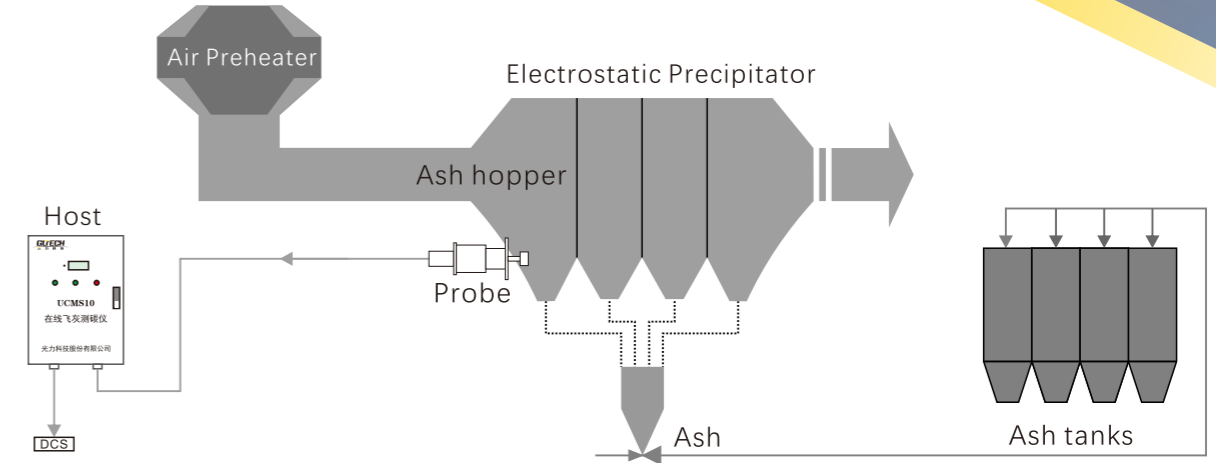


Technical Specification

Measuring Range	0.00~10.00 % Customizable
Accuracy	±0.50 % @ 0.00~5.00 %
	±1.00 % @ 5.00~10.00 %
Data signal	4~20 mA
Power rating	220 V
Analysis time	0.5~5 min
Gas source pressure	0.4~0.7 MPa

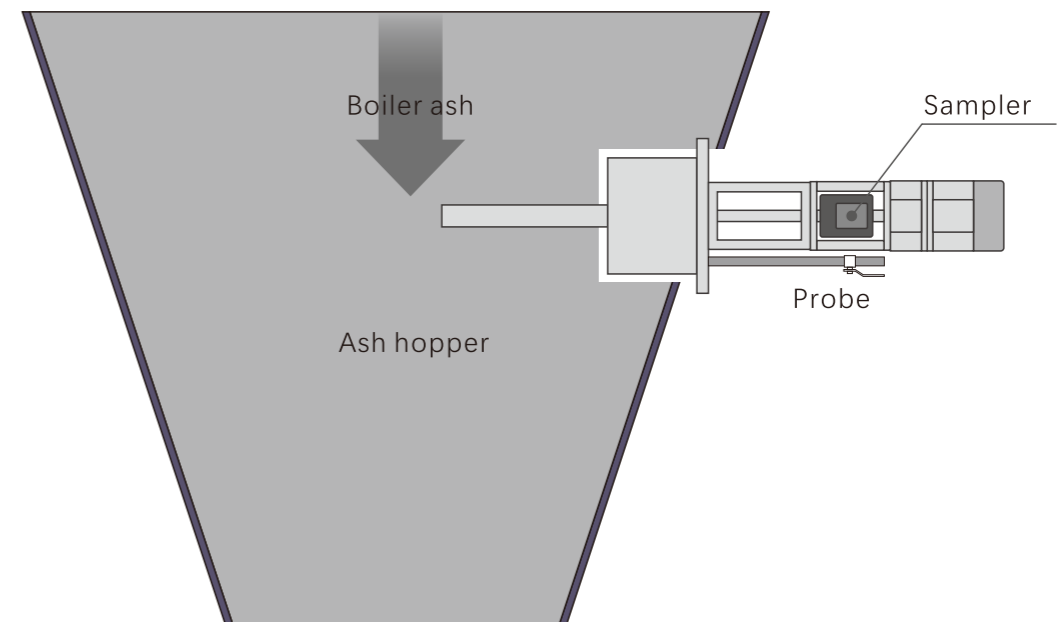
System Configuration:

- UCMS10 carbon in ash monitoring system consists of a probe for in-situ measurement and a host terminal for data uploading to DCS.
- The measuring unit is installed inside the electrostatic precipitator of the ash hopper to measure the unburned carbon content of boiler ash in situ.

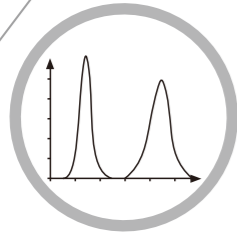


Features:

- Integrated structure/In-situ measure.
- Integrated sample and measure unit, sampling and measuring are done in-situ.
- Utilizing spectrum scanning technique, analyzing the carbon content in ash based on the spectral characteristics of unburned carbon within.

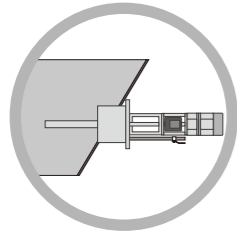


▼ Features



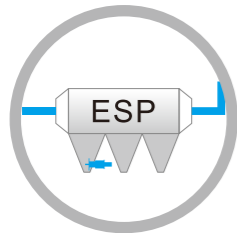
Consistent Measurements Regardless of Coal Type 1

Revolutionary spectral scanning technology effectively eliminates the influence on measurements caused by different coal types.



Minimal Maintenance Required 2

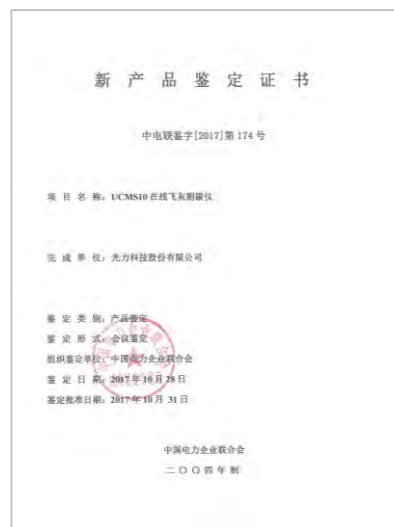
In-situ measurement and sampling avoid ash blockage issues seen with extractive samplers, ensuring long-term stable operation.



Exceptional Sample Representativeness 3

Sampling from the electric field ash hopper ensures uniform mixing of fly ash, providing better representativeness compared to flue gas extractive sampling cabinets.

▼ Qualifications

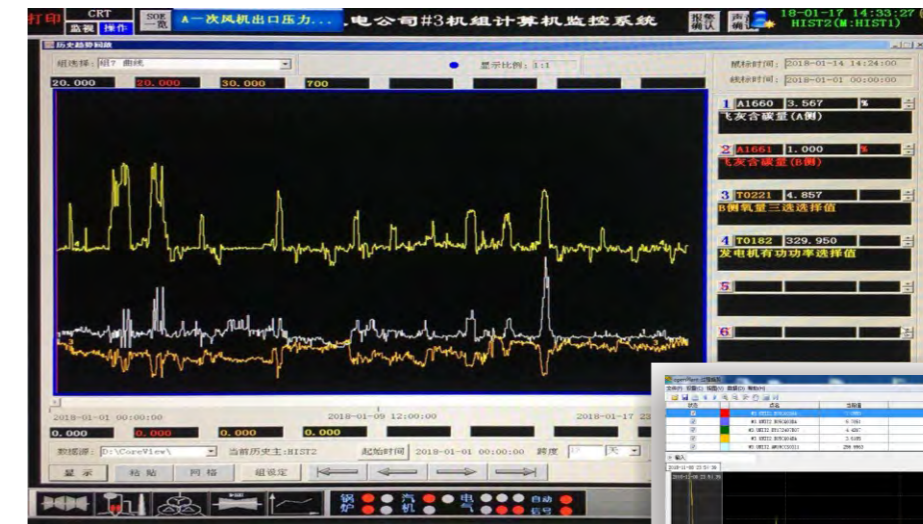


CEC(China Electricity Council) Certified

▼ Field Application/Operation Curve



- Ensuring ash carbon levels stay within optimal range.



Unburned carbon-in-ash level
Oxygen level

