Pre-installation Checklist

Conditions for installation:

- 1. The ambient temperature: $5 35^{\circ}$, the relative humidity: $35 \sim 85\%$, and the atmosphere pressure: $86 \sim 106$ kPa.
- 2. The laboratory should be free of violent vibration, airflow, strong electromagnetism and corrosive gases.
- 3. Equip the laboratory with proper work surface: 800mm (W)×3000 mm(L)×600mm(H).
- Equip the laboratory with stable power supply of 220 V ± 22 V / 50 ± 1 Hz (grounded well). Three groups of power supply in different phases: Controlling power ≥ 1 kW, and two groups of heating power ≤ 9 kW (each group ≤ 5 kW).
 Reserve locations for two air switches and two three-core sockets (20 A, 220 V).

Preparation:

 For the air method, it's unnecessary to prepare any gas or reducing valve.But if nitrogen or oxygen is used during the test, please prepare:

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a. Gas: (prepared by industrial method).

Oxygen: Purity> 99.5%, pressure =0.1MPa (after decompression).

Nitrogen: Purity > 99.5%, pressure = 0.1MPa (after decompression).

- b. For the gas method, please confirm connectors of the cylinder are consistent with Chinese standard (G5/8"-RHF) (the screw thread is on the outside) to make it match with the reducing valve the instrument equipped with, if not, please prepare the reducing valve by yourself.
- 2. Absorbent cotton (medical).
- 3. One pair of fine sand gloves.
- 4. Standard coal samples, especially those close to the samples to be analyzed.
- 5. Two UPS whose power should be more than 5.5 kW (optional).
- 6. Prepare one desicator.

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