Pre-installation Checklist

Conditions for installation:

1. The ambient temperature:5 – 35℃, the relative humidity: 35~ 85%, and the atmosphere pressure: 86 ~ 106kPa.

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).

4. 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, andtwo 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:

1. 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:

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.