

Pre-installation Checklist

Conditions for installation:

1. The ambient temperature: 5°C-35°C, and the relative humidity: $\leq 80\%$.
2. The laboratory should be free of violent vibration, airflow, strong electromagnetism and corrosive gases.
3. Equip the laboratory with a stable power supply of 220V \pm 10%, 50 \pm 1Hz, 1kW.
4. The power supply wire is of a sectional area of over 4mm² and grounded well. The plug is of a three-core (live line, null line and earth line) type and grounded well.

Preparation:

1. One set of manual powder tablet press (Pressure > 24 tons) and a tablet press mould(The tablet size is 40mm in diameter and 5mm in thickness) is required.
2. Boric Acid (powder, analytical grade AR) for sample preparation
3. Mylar Film for liquid sample
4. Particle size of coal sample should less than 2mm