

Operation Instruction

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1. Check gas supply and power (0.25MPa for nitrogen, oxygen and helium). Start software program. Check if instrument works properly by auto gas leakage testing.
2. Set temperature according to instruction manual. Then start heating.
3. When furnaces keep stable at set temperature, enter hardware Debugging menu to check if voltage of C/H cell and TCD is stable or not according to the instruction manual or the recommendation of CKIC
4. Start Analysis menu, alter "Stop SV2" to "SV2" and purge for 10-20min. When H, C and infrared cell keep stable, it starts to add samples.
5. Add samples on analysis menu in right order. The right order should be 6 blank samples first, then 1-2 waste samples, 1-2 standard coal samples and coal sample to be analyzed finally. If analysis samples are in a large quantity, it's recommended to add standard coal sample for every 10 to 15 to-be-analyzed samples. Input corresponding sample name, mass and moisture.
6. After adding samples on analysis menu, load relevant samples into sample receiving tray. Start analysis after all samples are loaded.
7. After analysis, Check if C, H, N value in standard coal sample is in compliance with that of standard value. If not, have drift calibration to C, H, N. After calibration, choose the last several samples and recalculate.
8. If more samples are to be analyzed after data processing, restart analysis according to item4. If analysis is finished, switch to "SV2". Set the cooling and power-off. Or make this process before sample analysis.

9. After instrument lowers temperature, it's required to clean sample dropping device and sliding block. Check if each reagent is effective.