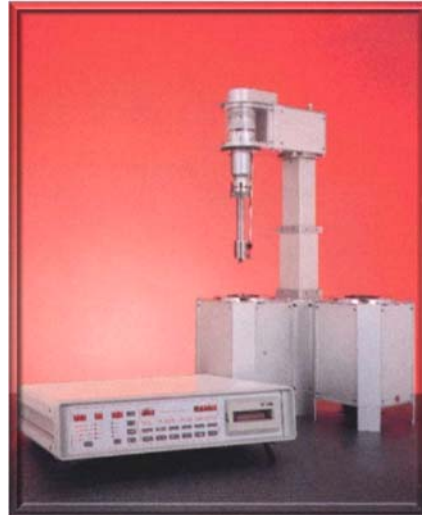


Instruments for Physical Testing of Coal

Plastometer – PL 2000



The PL 2000 is a fully automatic system for determination of coal fluidity by the Gieseler method according to ASTM Standard D 2639.

The entire analysis procedure, including the up and down movement of the crucible into the solder bath is automatic: the operator need only load the sample, mount the crucible and start the system.

Once started, the PL 2000 will preheat the solder bath to the start temperature, check the correct loading of the sample, lower the crucible, restore the start temperature, raise the temperature at uniform rate and carry out the fluidity test.

Drum dial movement is recorded by means of an optical encoder with a resolution of 1/500 of revolution corresponding to 0.2 D.D.P.M. Temperature (°C) and Fluidity (D.D.P.M.) are displayed and printed during the test.

At the end of the analysis, the crucible is raised out of the solder bath and the fluidity diagram is printed together with the final report consisting of: temperatures and profile, initial softening temperature, solidification temperature, plastic interval, fluid area, maximum fluidity, logarithm of maximum fluidity and maximum fluidity temperature.

Moreover the double furnace version allows the immediate start of a new test simply by loading the crucible and rotating the PL 2000 head over the second solder bath.

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