

PO E 6

40 YEARS SHIMADZU THERMAL ANALYSIS SYSTEMS

Kurt Pommerenke

Shimadzu Deutschland GmbH, Albert-Hahn-Str. 6-10, D-47269 Duisburg

In 1958 Shimadzu Corp. started to develop commercial solutions for thermal analysis users. The first model was called „DT-1". It resulted from a cooperation with Prof. Ohtsubu of the Waseda-University Tokyo. The instrument DT-1 was the first automatic DTA-system in Japan. It was already using an automatic temperature control. This system worked especially on the characterisation of clay minerals.

1960 the development of bench-top models started. A lot of new technologies were added to the product line. Until 1962 DTA, TG, DTA-TG, dilatometers and adiabatic calorimeters were built for the temperature range from -150 °C until 1600 °C. 1964 the first DSC system was introduced into the market. Four years later DTA, TG or the DTA-TG system were connected to gas analysis systems.

The poster reviews the history of thermal analysis instruments of Shimadzu showing a lot of unique photographs and rare technical drawings. On request all photographs and brochures can be provided in digital format.