

Linseis - Dilatometer L75 / 1750



L75 series dilatometers are equipped with an option to run under normal vacuum, or a controlled atmosphere. All measuring systems are manufactured to the highest standards and with LVDT's having the best precision and accuracy.

A complete dilatometer system consists of dilatometer basic unit, measuring system complete with: sample holder, pushrod, protection tube, furnace, Pentium computer with ink jet printer, Linseis Windows® software with control, data acquisition, and evaluation packages included.

There are various options available for all dilatometers. Examples: quenching option (for fast cooling rates) automatic sample length measurement, variable sample pressure control, glaze testing with steeger equipment, gas control systems, vacuum stand.

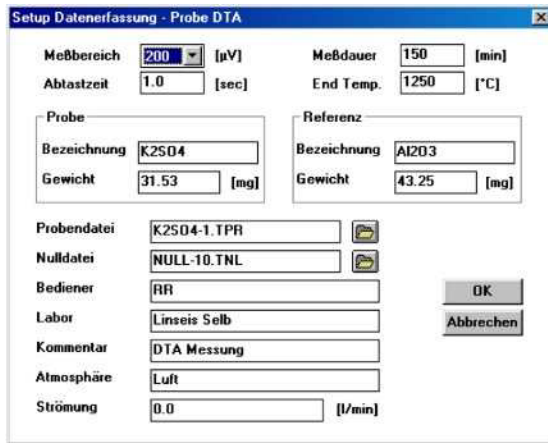
Single push rod dilatometers are manufactured for temperature ranges between RT and 1750 °C

L75 series dilatometers are built to suit the most demanding industrial or educational applications in research and development laboratories.

LINSEIS

Linseis Software for Dilatometers

picture 1: menu for the documentation set-up



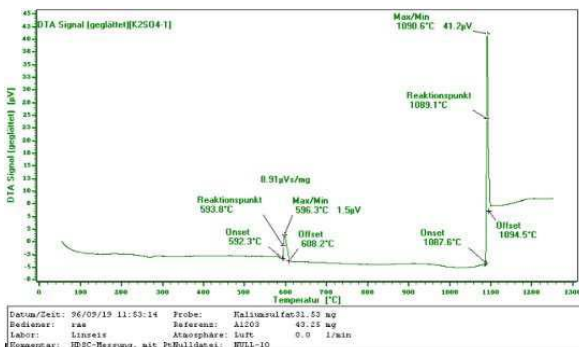
All LINSEIS Thermal Analysis Instruments are controlled through a sophisticated Windows® software. The complete program consists of three sections; temperature control, data acquisition, and data evaluation. Essential sample information is entered in the data acquisition section.

Data Acquisition section

Essential data for each sample test includes; operator, laboratory, atmosphere, gas flow, material, sample file name, zero file name, comments, sample length, measuring range, max. temperature, duration of run, sampling frequency, heating and cooling rates, number of cycles.

All menus are easily understood and intuitive. The software is quickly mastered with minimal training needed.

picture 2: the evaluation menu



Evaluation section

The evaluation is part of the complete windows software. It features a number of functions enabling a full evaluation of all types of data. All evaluation and data collection can be performed simultaneously. Data can be corrected using zero and calibration correction. Data evaluations include; absolute length change, relative length change, and coefficient of thermal expansion. A mean curve with statistical analysis can be performed on multiple curves. Graphical displays can be printed on all windows compatible printers or plotters. Data can be displayed and printed in a table format. The software also includes an ASCII export feature.



Amplifier of the L75 series with integrated automatic load control.

Adjustable load 0 - 1000 mN.

Due to the design of the amplifier all cables are connected to the rear. This allows a clean front panel.